PROGRESS REPORT

OF

FOREST ADMINISTRATION

IN THE

HYDERABAD ASSIGNED DISTRICTS

FOR

1893-94.

WITH A REVIEW BY THE RESIDENT AT HYDERABAD.

HYDERABAD:
PRINTED AT THE RESIDENCY GOVERNMENT PRESS.
1894.

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No. $\frac{607}{260-2}$-F., dated Simla, the 6th June 1895. File No 260.

From—DENZIL IBBETSON, ESQ., C.S., Officiating Secretary to the Government of India, Department of Revenue and Agriculture, SERIAL NO. 2.

To—The Resident at Hyderabad.

I AM directed to acknowledge the receipt of your letter No. 389, dated the 5th December last, forwarding the report on Forest Administration in the Hyderabad Assigned Districts for 1893-94, together with the Commissioner's remarks and your orders.

2. The further good progress made during the year in the disposal of lands temporarily known as class D is noted with satisfaction. At the close of the year only 249 square miles of D forest remained to be classified. It is understood from paragraph 3 of the Conservator's report that definite parts of the A forests in the Melghat have been marked off for the use of the Kurkus, who inhabit forest villages and are free to cultivate within these areas on easy terms made with the Forest Department. This arrangement appears suitable for people whose chief occupation is the exploitation and disposal of forest produce, and who are strictly speaking forest labourers rather than agriculturists.

3. The Government of India are glad to observe that, although the progress hitherto made in the preparation of working-plans has been slow, steps are being taken to expedite this important work. In this connection I am to ask that the attention of the Conservator may be specially directed to the principles enunciated in Resolution No. 22-F. dated 19th October 1894, and to Circular No. 4 dated 18th February 1895 issued by the Inspector-General of Forests. The matters there discussed are of special importance in Berar, where, as the Conservator remarks, the C forests "include nearly all the grazing-ground in Berar," and where the necessity of providing in full for the requirements of the people, and the importance of protecting forest-growth in this class of forests so far as may be compatible with that end, are two elements, both of which should be carefully borne in mind. The final result of the new grazing rules is not yet apparent; but the figures given in paragraph 19 of the Conservator's report show that the policy pursued is a liberal one. The Government of India view with some apprehension the process described as "reservation of parts of field numbers." But you have been separately addressed regarding the minimum size of blocks under forest management (my letter No. $\frac{1519\ L.\ R.}{185-2}$ of 27th May 1895) and you will doubtless see that the matter is properly dealt with.

4. The protection of the forests of classes A and B, which with few exceptions have been effectively protected from both fire and excessive grazing, continues satisfactory; and the recorded improvement of the tree-growth shows the beneficial effects of strict and continuous conservation over a long series of years.

The conclusions of the Conservator in paragraph 24 of the report that *lantana* threatens the existence of the forests, are noticed to be strangely at variance with the observations of Mr. Prevost, the Deputy Conservator in Coorg, where the same shrub is said to materially aid the reproduction of trees and notably that of sandal. Its effect on forest-growth in Berar should, in the opinion of the Government of India, be further studied before any large expenditure is incurred on its extermination within forest tracts.

5. There was a satisfactory increase in the outturn of timber and a consequent improvement in the financial results, compared with those of 1892-93, as set forth in the following statements :—

Agency by which removed.	Material removed.				Average outturn per square mile.			
	Timber.	Fuel.	Bamboos.	Minor produce.	Timber.	Fuel.	Bamboos.	Minor produce.
	C. ft.	C. ft.	No.	Rs.	C. ft.	C. ft.	No.	Rs.
Government ...	...	...	...	...	...	...	...	...
Purchasers ...	643,579	1,195,772	2,163,474	86,524	...	...	...	...
Free-grants ...	1,411	...	200	63	...	..	...	...
Total in 1893-94 ...	644,990	1,195,772	2,163,674	86,587	155	288	520	21
Total in 1892-93 ...	416,585	1,318,000	2,799,300	?	98	311	661	...
Difference in 1893-94	+ 228,405	— 122,228	— 635,626	...	+ 57	— 23	— 141	...

	Year.	Receipts.	Charges.	Surplus.	Proportion of Surplus to gross Revenue.
		Rs.	Rs.	Rs.	Per cent.
Forest year ...	1893-94	4,79,475	2,64,318	2,15,157	45
	1892-93	4,32,206	2,49,643	1,82,563	42
	Increase in 1893-94 ...	47,269	14,675	32,594	3
Financial year ...	1893-94	4,82,802	2,54,250	2,28,552	47
	1892-93	4,31,017	2,29,231	2,01,786	47
	Increase in 1893-94 ...	51,785	25,019	26,766	...
	Average for the five years ending 1892-93.	4,55,605	1,89,246	2,66,363	...

The gross receipts, though somewhat less than in the years 1890-91 and 1891-92, are satisfactory; and the expenditure, which amounted to 55 per cent. of the receipts, was not, perhaps, in excess of requirements for the reasonable development of export and the improvement of the forests; but the Government of India fully concur in your view that every scheme involving increased expenditure should be carefully scrutinised and treated on its merits.

6. The Governor General in Council is pleased to notice that the Conservator has earned your commendation by his careful administration during the year under report, and desires me to express his appreciation of the good progress in forest conservancy and in utilization of produce, which continues to be made under your orders.

No. $\frac{608}{260-2}$-F.

COPY, with copy of the report, forwarded to the Foreign Department for information.

G. C. Press, Simla.—No. 177 R. & A. D.—10-6-95.—261.

No. 1410-R., dated Amraoti, the 18th October 1894.

From—Colonel H. C. A. Szczepanski, Officiating Commissioner, Hyderabad Assigned Districts,

To—The Secretary for Berar to the Resident, Hyderabad.

I have the honor to submit the Progress Report of Forest Administration in the Hyderabad Assigned Districts for the year 1893-94, which was received in print in my office on the 11th instant.

2. *Alteration of forest area.*—The total area of the different classes of State-forests in the Hyderabad Assigned Districts on the 30th June 1884 was 4,157 square miles, being a decrease compared with the area on 1st July 1893 of 76 square miles. The decrease is due to disforestations for cultivation and other purposes; to the fact that the jagir and leased villages in the Melghat were wrongly shown in 1892-93 as State-forests of Class D; and to a nominal loss of about 10 square miles on recalculation of areas. The most important changes occurred in the Ellichpur Division.

3. *Forest settlements.*—Under this head the Conservator's report embraces the work done in connection with (1) classification of State-forests of Class D, that is, areas temporarily reserved; (2) reservation of parts of field numbers formerly State-forest, but not re-notified under the Berar Forest Law, 1886; (3) final consideration in each district of the question of further reservations of Government unoccupied land; and (4) settlement of forest villages in the Melghat. As regards (1), 1,001 out of 1,250 square miles of D Class State-forest have been finally classified. The remainder is under settlement in the Mangrul and Pusad taluks. The Conservator shows that the effect of the new Forest Law, during the three years which will end on 30th June 1895, will be that 243 square miles of forest area will have been set free for cultivation, leaving 4,123 square miles, or 23·2 per cent. of the entire area, as the permanent forest estate of the province.

As regards (2) the work has been completed in Amraoti, Ellichpur, Buldana and Wun, while in Akola and Basim it is approaching completion. With regard to (3), the question, so far as Ellichpur, Akola and Wun are concerned, has been settled; proposals for Buldana have been submitted, whilst those for Amraoti are about to be submitted. In Basim the question is included in the "D" State-forest settlement already referred to. As regards (4), 31 villages have been "laid off" and demarcated, and the Conservator thinks that the arrangements made ought to work well for all concerned as they seem suitable.

4. *Demarcation.*—The State-forests of Class A are demarcated by 1,253 miles of cleared line and numbered pillars, but in Akola there are four reserves which are demarcated only by field marks; these are 1,253 in number. The cost of new work amounted to Rs. 3,762 and of maintenance to Rs. 453. The State-forests of Class B are demarcated by 26 miles of cut and pillared line and by 1,909 field marks. The cost of maintenance amounted to Rs. 207. Of boundary marks pertaining to State-forests of Class C, 125,325 were repaired at a cost of Rs. 208. The boundaries of Classes A and B are reported to be in good order; those of Class C though in fair order require regular attention, which they will now receive.

5. *Surveys.*—No field work was done in Berar during the year. The one-inch scale map of the Melghat in three sheets is nearly ready and new maps of A Class Forests on an eight-inch scale have been published. The Resident has sanctioned the scheme for the preparation of a one-inch scale map of each taluk in Berar, and though the work is reported to be well in hand, the Conservator does not expect the maps to be ready before the end of 1895-96.

6. *Working plans.*—As regards State-forests of Class A, working plans for 12 square miles were complete at the beginning of the year, and plans for 19 square miles were completed during the year. The total area for which working plans are in hand is 1,009 square miles, and the total area not yet dealt with

is 448 square miles. Considerable progress has been made except in Wun, where the Conservator says the valuation of the forest in the leased (izara) villages has "absorbed all spare time and men." The work in Buldana had to be stopped owing to Mr. Bhukan's deputation to the Melghat.

As regards State-forests of Class B, lans for two square miles were completed during the year, and plans for four square miles are in hand. The total area not yet dealt with is 58 square miles. The Conservator explains that the management of B Class Forests (fodder reserves) is so simple that working plans have not been pushed on save in the way of experiments as to the best method of working.

As regards State-forests of Class C, working plans for 915 square miles were complete at the beginning of the year, plans for four square miles were completed during the year, and plans for 907 square miles are in hand. The total area not yet dealt with is 787 square miles including 249 square miles of D class lands. The Conservator reports that owing to the non-completion of the one-inch scale maps, plans for C Class Forests generally have been delayed, but that very good progress has been made in Amraoti and Ellichpur, where old maps are available. The forest classification in Basim is still in hand, and it is in this district where the main areas of C Class Forests are as yet untouched.

7. *Annual plans of operations.*—In Ellichpur the extensive changes in area and working necessitated several deviations from the plan, and in Amraoti owing to reduced funds or to want of seed, ordinary demarcation work and planting operations had to be curtailed. In the remaining districts the provisions of the plans were fully carried out.

8. *Communications and buildings.*—New roads aggregating a length of 28 miles were constructed at a cost of Rs. 14,530, and old roads, aggregating a length of 548 miles were repaired at a cost of Rs. 7,695. 29 buildings comprising six rest-houses, two quarters for Rangers, three revenue depôts and 18 quarters for Guards, were constructed at a total cost of Rs. 8,922.

9. *General protections and breaches of the Forest Law.*—There were 841 cases of breaches of the Forest Law against 978 in the preceding year. The decrease occurs under all heads except "other offences." The proportion of cases undetected is 8·3 against 5·8. The detected cases of the year numbered 776 and of these 660 were compounded. The Conservator reports that the cases compounded under section 33 were scrutinized and that the section has been carefully worked. Only serious cases are now taken before the Magistrate; hence there is a falling-off in the number of cases before the Criminal Courts. In 1892-93 the number of cases taken up to the Criminal Courts was 319; in 1893-94 the number fell to 116. The percentage of convictions was highest in Akola (88·9) and lowest in Basim (50·0). Cases of injury by fire fell from 37 to 33, but of these as many as 13 (7 in Wun alone) were undetected. Of the detected cases 10 were compounded and 10 were taken up before the Criminal Courts. All of these latter ended in conviction.

With a view to putting down acts of incendiarism and of carelessness resulting in forest fires, the Commissioner has drawn the attention of all Deputy Commissioners to the importance of having all such cases tried by senior magistrates of some training and experience. Two or three cases which occurred last year were tried either by a junior Extra Assistant Commissioner or a Tahsildar, and the punishment awarded in each case was wholly inadequate.

10. *Protection from fire.*—The area under protection was 1,389 square miles, the area successfully protected was 1,350 square miles, and the area of failures was 39 square miles. The cost of protection was 8·6 per square mile. The number of fires rose from 18 to 35, but the total area burnt fell from 29,081 acres to 24,970. Of the number of fires which occurred during the year, 12 were due to line-burning, 12 to accidents, 8 to incendiarism, 2 to causes unknown, and 1 to a fire outside the forest. As regards the incendiary fires, the Conservator is confident that it is not due to any ill-feeling. "There is little doubt," he says "that the fires have followed a certain excess of leniency in forest ma-

nagement." This may be true, but if the steps already taken to prevent the recurrence of these fires do not prove effectual, other measures will have to be adopted. Considering the difficulties the Forest Department has had to contend against, I agree that the success attained is satisfactory.

11. *Regulation of grazing and protection from cattle.*—Of the 4,157 square miles of State-forests of all classes, only 1,206 square miles are closed to grazing, and of the remainder, that is, 2,951 square miles, so many as 2,703 square miles are open without restriction, the difference, *viz.*, 248 square miles, being open partly for the rains only and partly for the whole year to all cattle except browsers. The average grazing area per head of cattle is 1·4 acres, the average due thereon being Re. 0-1-6. The statistics given in the table in paragraph 19 show that while the conditions of Akola, Buldana and Wun are the same as regards the extent of the grazing area with reference to the number of cattle, the conditions of Ellichpur and Basim, which are nearly alike, are very much better, while the conditions of Amraoti are very much worse. The statistics also show considerable inequalities as regards dues per acre. In Ellichpur and Basim they are as low as six pies and ten pies, whereas in the other districts they range from one anna and ten pies in Buldana to three annas and five pies in Akola. It must be noted however that the new rules and rates have only recently been introduced and that they have yet to come into full work.

12. *Improvement of forest growth.*—In the A Class Forests the spread of teak is most marked in the Melghat. The B Class Forests are reported to be in good order, though in some areas the finer fodder grasses are giving way to thorns and grasses of the coarser kinds. The Conservator brings to notice that the forest growth in C Forests is not in a satisfactory condition owing to the areas being overgrazed and overcut. Mr. Bagshawe apprehends that if the present rules and concessions are fully worked, the result must be a complete denudation of the C Class State-forests.

The Resident has sanctioned a scheme for the extermination of *lantana scandens* in the Melghat, and the work is in progress.

13. *Gross yield and outturn of forest produce.*—The gross value of the yield in 1893-94 was Rs. 4,79,724, or Rs. 47,518 in excess of the amount for 1892-93, which was Rs. 4,32,206. The increase is against "timber," "grazing," and "miscellaneous." The increase in "grazing" is due to additional care in checking passes and to increased rates; also to the fact that grazing for two seasons were credited within one year. Under "miscellaneous" the sales of "hilda" in the Melghat have contributed largely to the increase. The crop was collected under Government supervision, and the arrangements for collection and sale were conducted by Mr. Calthrop, the Divisional Officer, and Mr. Misriprasadh, who was in charge of Bairagarh. The Conservator says that the arrangements made were so admirable that the result of the undertaking was a gross income of Rs. 21,000 and a net return of Rs. 10,000 against ordinary receipts from this source of about Rs. 900. There is a very slight falling-off against "fuel," but the decrease against "bamboos" is considerable. The explanation is that in the summer of 1893 "exports rose rapidly and good prices were obtained; apparently the exporters glutted the market and from February 1894 prices fell, and the demand was very slack up to the end of the year." There was a good growth of grass all over the country owing to timely rain in September 1893, which accounts for the fall in grass sales.

14. *Financial results.*—The receipts for 1892-93 amounted to Rs. 4,32,206 and for 1893-94 to Rs. 4,79,475. The charges amounted in 1892-93 to Rs. 2,49,643, and in 1893-94 to Rs. 2,64,318. The surplus of 1892-93 was Rs. 1,82,563 and of 1893-94 Rs. 2,15,157. The increase in charges is only temporary, the ordinary charges of the year being lower than those of the preceding year.

The Conservator, looking back to the results of past years, points out that there is a real fall in forest revenue. Formerly under the old Forest Rules considerable miscellaneous items representing the sale proceeds of forest produce

from "unreserved forests" were credited to "Forests". Now, under the new law, large tracts of these unreserved forests have ceased to be classified as "forest" lands, and the revenue from them is no longer credited to the Forest Department. Under the old rules there were restrictions within unreserved forests. Under the new law there are "concessions" which practically place no limit on State-forests of Class C.

To maintain the forest revenue at its present figure, and to attain to an average of five lakhs a year, the plan which the Conservator recommends is to "open up our forests and encourage export and to develop the sales of minor produce." This involves a temporary increase in expenditure resulting in a temporary reduction of the surplus, but the Conservator shows that it is the only feasible plan, and the end in view after all is an improvement of forest revenue.

15. *Forest Administration.*—The control of the Forest Department was in the hands of Mr C. Bagshawe throughout the year, and it is due to him chiefly that the results (all things considered) are so eminently satisfactory. The deep interest which Mr. Bagshawe has always taken and continues to take in the welfare of the department entrusted to his care, and the devotion with which he applies himself to his duties, are too well known to need mention. The Conservator acknowledges the good service tendered by all Divisional Officers. The officers specially named are Messrs. Calthrop, Williamson, Mansukh Rai, Srinivasulu and Martin, and also Mr. Bisersarsingh, who was deputed to the temporary charge of the Buldana Division. Among the executive staff Misriprasad, Forest Ranger, has been commended for the work done in Bairagarh and specially for the hilda operations of which he was in charge. The other Forest Rangers mentioned are Ramdayal Sing, Krishnaswami, Shaik Rahiman, Pandurang, Totaram and Narhar.

The Conservator brings to notice the very great interest in forest work taken by Mr. Narayansingh Babhutsing, the Tahsildar of Morsi.

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No. 178, dated Camp Amraoti, the 27th August 1894.

From—Cecil Bagshawe, Conservator of Forests, Hyderabad Assigned Districts,

To—The Commissioner, Hyderabad Assigned Districts.

I have the honour to submit the Hyderabad Assigned Districts Forest Administration Report for the forest year 1893-94.

HYDERABAD ASSIGNED DISTRICTS.

ANNUAL PROGRESS REPORT OF FOREST ADMINISTRATION FOR THE FOREST YEAR (1ST JULY 1893 TO 30TH JUNE 1894).

Chapter I.—Extension and Constitution of State-forests.

I.—ALTERATION OF AREA.

The alterations in area are as follows:—

	On 1st July 1893.	Added during the year.	Excluded during the year.	Area on 30th June 1894.		
				Square miles.	Acres.	Percentage of total area of Berar (17,735).
	Sq. m.	Sq. m.	Sq. m.			
State-forests, class A (timber and fuel reserves)	1,322	169	11	1,480	947,389	8·3
State-forests, class B (grass reserves)	63	2	1	64	41,054	0·4
State-forests, class C (pasture reserves)	1,598	809	43	2,364	1,513,660	13·3
State-forests, class D (temporary pasture reserves)	1,250	...	1,001	249	159,222	1·4
Total ...	4,233	980	1,056	4,157	2,661,325	23·4

The changes are mainly due to the re-classification of the State-forests, which, pending settlement, were temporarily shown under class "D," and they may be summarised thus:—

	Acres.		Sq. m.
Additions—			
Transfers from one class to another	608,773	=	951
Government land newly constituted State-forest ...	5,356	=	9
Nominal increase on recalculation of areas ...	12,933	=	20
Total ...			980
Exclusions—			
Transfers from one class to another	609,773	=	951
State-forest disforested for cultivation and other purposes	23,005	=	36
Jagir and leased villages in Melghat wrongly shown in 1892-93 as State-forest, class D	25,591	=	39
Nominal loss on recalculation of areas	19,302	=	30
Total ...			1,056

The most important changes in the divisions are—

ELLICHPUR DIVISION—

Additions to Bairagarh, Gugumal and Chikalda State-forests, class A, and the constitution of Kohana State-forest "A"	118
Final classifications of State-forests class "C," raising it from 56 square miles to 1,565 square miles	1,509

AMRAOTI DIVISION—

Additions to Mehdari and constitution of Shekdari and Lakhara State-forests, class "A"	23
Formation of fodder reserves, Kalapani and Wadali State-forests "B" ...	1

AKOLA DIVISION—

Addition of 964 acres to the Amba Barwa State-forests, class "A" ...	2
Formation at Kutase and Hingne Karegaon of fodder reserves, State-forest "B"	1

BASIM DIVISION—

Addition of 8,244 acres to the Rui and Kinwat State-forests "A" ...	13
Completion of classification work in Basim taluk and increase of State-forests, class "C," from 151 square miles to 176 square miles.	25

	Sq. m.
Wun Division—	
Additions to the State-forests, class "A" of Gondwakri, Pathrot, Kelapur and Pardi by the purchase of the lease of Yella Khurd, 1,881 acres for Rs. 3,750 and the reservation as "A" of that area and 4,115 acres of State-forest "D" and other Government land	9
Completion of classification work in Yeotmal, Darwa, Kelapur and Wun taluks and the increase of State-forests class C from 528 square miles to 545 square miles.	17

2. For facility of reference and of comparison of forest and revenue returns an abstract is given at the end of Form 46 showing the distribution of each class of forests in each division and in each district.

II.—FOREST SETTLEMENTS.

3. In Berar there are no forest settlements similar to those made under the Indian Forest Act, nor can Form 47 be filled in, but it is convenient to consider under the head "Settlements" the following work, which is similar in character :—

(i) Classification of State-forests class D, *i.e.*, areas temporarily reserved.

(ii) Reservation of parts of field numbers formerly State-forest, but not re-notified under the Berar Forest Law, 1886.

(iii) Final consideration in each district of the question of further reservations of Government unoccupied land.

(iv) Settlement of forest villages in the Melghat.

The year opened with 1,250 square miles of "D" State-forest in eight taluks, the settlement of six taluks is complete, and 1,001 square miles of forest has been finally classed as follows :—

	Sq. m.
Transferred to State-forest "A" timber and fuel reserves	111
Do to State-forest "C" pasture reserves	801
Do to Revenue Department for cultivation	36
Reduction owing to erroneous entries of certain jagir and leased villages in the Melghat returns and to recalculation of areas	53
Total ...	1,001

The "D" State-forests under settlement (249 square miles) are in the Mangrul (74 square miles) and Pusad (175 square miles) taluks of Basim. The scheme for Mangrul taluk No. 2693, dated 6th August 1894, from the Secretary for Berar) has been approved of and the notifications will shortly issue. In Pusad taluk the field work was practically completed in March 1894, but the proposals could not then be finally drafted as the maps were not available of 61 villages in which the large forest block numbers had, where culturable, been divided into assessed fields. The Land Record and Agricultural Department have subsequently supplied 56 maps, while the remainder are in hand and will shortly be forwarded. I hope the Pusad scheme will be submitted for orders during September 1894. The scheme for Mangrul and Pusad taluks dispose of the areas as follows :—

	To S. F. "A"	To "B"	To "C"	Disforested for cultivation.	Total S. F. D.
Mangrul taluk	...	7	57	10	74
Pusad do.	39	13	99	24	175

In Pusad the area to be disforested is still liable to slight change.

The final forest areas for Berar will be nearly as follows :—

	Existing.	To be added in Mangrul and Pusad.	Total.	Percentage.
State forest A.	1,480	39	1,519	8·5
Do. B.	64	20	84	0·5
Do. C.	2,364	156	2,520	14·2
	3,908	215	4,123	23·2

The effect of the new forest law has therefore been to class the following areas as available for cultivation : (i) in 1892-93, 173 square miles ; (ii) in 1893-94, 36 ; (iii) proposed for 1894-95, square miles 34, leaving 4,123 square miles or 23·2 per cent. of the province as the permanent forest estate. The parts of field numbers required for forests were set aside for survey and demarcation prior to notification. This work has been completed during the year in Ellichpur, Buldana and Wun. In Amraoti the part numbers were notified in 1892, while in Akola and Basim the work is approaching completion.

What is believed to be the final considefation of Government unoccupied land is completed in Ellichpur, Akola and Wun ; proposals for reserving three square miles in Buldana have been submitted, and in Amraoti the report on the subject is now under submission. In Basim the question is included in the "D" State-forest settlement. From the preceding it will be seen that the work of classification which has been in hand during the last 13 years is rapidly nearing completion. In settling the Melghat forests it was decided to maintain certain existing villages and to constitute certain new villages within the "A" State-forests as "forest villages." These villages are needed as labouring communities for forest works and for the export of

forest produce for sale in Berar, and they can be best managed by the Divisional Officer. Arrangements were therefore made to lay off and demarcate a suitable amount of culturable land, and to provide grazing for the small head of cattle kept up by the Kurkus who inhabit or will inhabit the villages. Mr. Bhukan was deputed to the Ellichpur Division to assist the Divisional Officer in the work, and 31 villages in all have been laid off and demarcated. This completes the forest settlement of the Melghat, and the arrangements made seem suitable and should work well for all concerned.

III.—DEMARCATION.

4. Our newly named State-forests "A" "B" and "C" are so much old friends with new faces that save in the Melghat the question of new demarcation is not as in Upper India synonymous with reservation. In Berar we deal with areas already demarcated by the Land Record and Agriculture Department, and in reserving forests avoid breaking up settlement field numbers into parts, as these part ("paiki") numbers give endless trouble to all concerned. When a scheme for reserving a timber and fuel "A" or a fodder "B" or a grazing "C" State-forest is drawn up the boundary marks are checked and reservation renders the Forest Department responsible for their *maintenance*. In the case of an "A" timber reserve, a line from 30—50 feet wide is cleaned all round the reserve, but this is not required for legal demarcation and is for protective purposes.

In the Melghat the boundaries of new reserves do not always follow village boundaries, the only boundaries which are already demarcated over the whole taluk; and where new boundaries march with the provincial boundary, it is often found necessary to define that boundary more clearly, it is therefore necessary on artificially demarcated boundaries to put up substantial pillars plainly visible from one another, to give them serial numbers, and to clean a line along the boundary. The above explanation is given to make clear the wide differences in expenditure on different boundaries, and because outside Berar some misconceptions seem to have arisen on the subject.

The completion of the scheme for the maintenance of "C" forest boundaries referred to in paragraph 4 of the 1892-93 Forest Report has facilitated the entry of all classes of State-forest ("D" of course excepted) in Form 46. It has not always been possible to separate the number of field marks repaired from those not repaired during the year, and the entries will have to be slightly varied next year on the completion of the classification work. As far as "B" and "C" forests are concerned, it is only possible to give the number of marks to be maintained, and any attempt to work out the mileage (from some 5,500 maps) of these boundaries would be absurd. When the forest maps of taluks are ready, it will be possible to substitute mileage for the number of pillars, but the figures will be for Form 48 only, and will not be of practical use like the present numbers. The boundary work of the year dealt with the following items:—

The "A" State-forest are demarcated by 1,253 miles of cleared line and numbered pillars, while in Akola four reserves (Loni, Bhongaon, Morna, Balapur) are only demarcated by field marks, which are 1,253 in number. The cost of new work was Rs. 3,762 and Rs. 453 was spent on maintenance The repairs last year cost Rs. 426.

The "B" State forests are demarcated by 26 miles of cut and pillared line and by 1,909 field marks, and Rs. 207 were spent on maintenance against Rs. 249 last year.

The "C" State-forests boundary marks repaired by the forests, number 125,325, and Rs. 208 were spent against Rs. 1,247 last year.

The plan for repairing these field marks was only completed towards the close of the year and pending the issue of orders thereon expenditure was stopped and the funds allotted for "A" State-forest work. It is probable Rs. 2,600 will be required for State-forest "C" field marks annually for the future.

The "A" and "B" boundaries are in good order, and the "C" boundaries are all in fair order, but require the regular attention they will now receive.

In the Ellichpur Division the new "A" forests have all been demarcated, 123 miles of boundary for Rs. 1,180. The forest villages have been newly demarcated for Rs. 1,489, while Rs. 41 were spent on repairs.

In Amraoti Division the new "A" forest boundary, 91 miles, has been demarcated for Rs. 717.

In Akola Division Rs. 123 was spent in new Amba Barwa, and Rs. 5 in Ghatbori, both "A" State-forests.

In Basim Division Rs. 168 was spent on 15 miles of new boundary in Kinwat "A" State-forests.

In Wun Rs. 80 was spent on 10 miles of new boundary in Kharad "A" State-forest.

IV.—SURVEYS.

5. The Forest Survey did no field work in Berar during the year, but the Superintendent notes that of the Melghat taluk 1" scale map sheets 1 and 2 are ready for press and sheet 3 will shortly be ready. The Superintendent has published new maps of "A" forest scale 8" = 1 mile which were drawn locally, and has supplied statements of the Melghat areas after the completion of the forest settlement of the taluk.

The scheme for preparing 1" scale maps of all taluks showing the forest areas of each class has been approved of by the Resident (Secretary for Berar's No. 87, dated 9th

January 1894), and the Inspector-General of Forests, and the Superintendent of the Forest Survey have kindly agreed to the maps being finally drawn and passed through the Photozinco Press at Dehra by the Superintendent.

The work is well in hand, and all the village maps have been reduced by pentagraph, but the work of checking and revising is proving far more tedious than was at first anticipated, and it is nearly certain the maps will not be ready before the end of 1895-96: Rs. 629 have been spent on the 1" maps during the year.

Rs. 74 were spent in Akola on maps and survey of part field numbers, and Rs. 488 in the preparation and publication at Dehra as noted above of seven "A" State-forests. Two maps have not yet come from the press.

Chapter II.—Management of State-forests.

I.—REGULATION OF MANAGEMENT.

(*a*)—Working Plans and their Control.

	A.	B.	C.
6. Areas for which working plans were complete at beginning of year ...	12	...	915
Do. do. have been completed during the year ...	19	2	4
Areas for which working plans are in hand	1,009	4	907
Areas not yet dealt with including 249 sq. m. of "D" with the "C" State-forest	448	58	787
	1,488	64	2,613

The work in "A" timber reserves has made considerable progress save in Wun, where the valuation of the forest in the leased (izara) villages has absorbed all spare time and men, and in Buldana where the work was stopped owing to Mr. Bhukan's deputation to the Melghat.

The management of "B" fodder reserves is so simple that working plans have not been pushed on for these areas save in the way of experiments as to the best method of working.

Plans for "C" forests generally have been delayed owing to the non-completion of the 1" maps, but very good progress has been made in Amraoti and Ellichpur, where old maps are available, and in these divisions the plans are now nearly complete. The main "C" areas as yet untouched are in Basim, where the forest area classification is still in hand.

In the areas under working plans, or simple plans of operations sanctioned locally, the provisions have been duly carried out.

The preparation of working plans in Berar has hitherto been slow, as it has not been possible to depute an officer specially for this work. During 1894-95 it will be possible to arrange for a special officer.

Ellichpur Division—

The changes in area (from 605 to 702 square miles) in Bairagarh and Gugamal have involved more extensive revisions of the working plan than were at first proposed; and as the field work involved was only completed in June 1894, the working plan is still in the rough only, but will be completed shortly. Meanwhile the fellings and other works of improvement in four working circles have been carried out under the draft plan. Plans for Chikalda, Kohana (new reserves) will, it is hoped, be prepared in 1894-95.

Amraoti Division—

It is proposed to have one working plan for the whole division, which will be divided into twenty-five working circles. During the present year nearly all the field work was finished, and for five of the circles projects were completed. The Divisional Officer has had exceptionally hard work in connection with new reserves and fire protection, and it was impossible to give him any skilled labour to aid in working plans.

Akola Division—

A new plan was drawn up for Borgaon, and the necessary revision of the babul tracts working plan, consequent on changes in area, was undertaken.

The temporary plans for Morna and Balapur were worked up to. The changes in Divisional Officers and special work in Amba Barwa new reserve prevented more rapid progress.

Buldana Division—

The working plans for Gerumatergaon and Amdari must be entirely re-drawn, and it has not been possible this year to start work. The "C" forest plan was revised as to the table of fellings, and the new table was worked up to.

Basim Division—

Mr. Haldane has collected data and made good progress in the working plan for Medsi, Chandus, and Andharsangvi, while the revised plan for Kinwat is also in hand. The plan of operations for Basim taluk "C" forests and Pengaga working plan were duly carried out.

Wun Division—

No new work could be taken up this year owing to press of other works, but 17 square miles of "C" forest newly reserved were taken in hand.

(*b*)—Annual Plans of Operations.

7. In Wun, Basim, Buldana and Akola the provisions of the plans were carried out. In Amraoti several new works, demarcation, constitution and protection of new A and B forests

were undertaken; and ordinary demarcation work and planting operation had to be curtailed owing to lack of seed or to reduced funds. In Ellichpur the extensive changes in area and working necessitated several deviations from the plan.

II.—WORKING OF THE YEAR.

(a). Communications and Buildings, &c.

8. The charges under these heads during the year under review compare as follows with those of previous year:—

	1892-93. Rs.	1893-94. Rs.
Roads	22,019	22,225
Buildings	14,726	13,302
Wells, &c.	1,979	2,181

and the progress made is very satisfactory. The outturn of work was—

		Cost.
Cart roads, new	Miles 28	Rs. 14,530
Do. repaired	„ 548	„ 7,695
New buildings	No. 29	„ 8,922
Buildings repaired	„ 100	„ 4,380
New wells	„ 5	„ 1,296
Miscellaneous	...	„ 1,086

As compared with the previous year this shows a reduction under new roads and new buildings, which is to be expected as the different schemes approach completion. The mileage of roads repaired has increased by 153 miles and the charges by Rs. 1,672, chiefly owing to new repairs in South Berar, where the Gerumatergaon road, which was impassible for wheel traffic, cost Rs. 1,529. The South Berar roads are absolutely necessary if we are to effect sales of wood and grass from our A forests. In the Melghat the roads repaired increased by 26 miles, but the charges were Rs. 452 below last year, when excessive rain raised the cost. The charges on repairs of buildings was reduced, while wells and miscellaneous charges increased by Rs. 38.

The new buildings comprise—

	Rs.		Rs.
6 rest-houses ...	7,185	3 revenue depôts ...	686
2 quarters for rangers ...	478	18 quarters for guards ...	563

9. Ellichpur Division—

Roads in Gugamal—

	Miles.	Rs.
Kasod-Dhargarh—Gurgapati-Bori	18½	10,325
Selu-Tarubanda	5	2,046
Kandri-Tarubanda	3	1,929

325 miles of road throughout the division were repaired for Rs. 5,277 or Rs. 17 per mile, against Rs. 18 last year.

Buildings—

	Rs.
Butrum rest-house with out-houses	2,000
Koktu rest-house with out-houses	1,900
4 new quarters for guards	95
Repairs to 63 buildings Rs. 2,583, against 56 buildings and Rs. 3,261 last year.	
Five masonry wells were constructed at Makla, Raipur, Hatru, Mangia Koha and Popatkhera for	939
Clearing 8 wells	55
Clearing 14 compounds	123

The steady progress made in all three branches of work is most satisfactory, and the increased receipts of the division, which exceed those of any previous year, showed the through soundness of the policy of opening up our forests to export and providing water for exporters.

10. Amraoti Division—

Roads—

	Miles.	Rs.
Improvement and repair, Amraoti-Pohra road	8	607
Repairs to roads in Chirodi and Mehdari	36	80

Buildings—

	Rs.
1 quarters, Range Officer, Pohra	328
5 quarters, Forest guards	210
Repairs to five buildings	168

The road work was very well done, and the charges were reduced. The buildings last year cost Rs. 159, but this year the new reserves necessitated an increase in charges for new quarters.

11. Akola Division—

Roads—

	Rs.
Ghatbori hill roads, new, 700 yards	230
Repairs, 43 miles of road	107

Buildings—

	Rs.
Chikalwal rest-house	1,538
Completion, Taroda rest-house	160
Ranger's quarters, Wasali	50
Five quarters for forest guards	195
Repairs, eight buildings	131

showing a very satisfactory increase in every branch as these forests need opening up.

A well was made at Chikalwal, but was not paid for in the year.

12. Buldana Division—

Roads—

	Miles.	Rs.
The Buldana-Khamgaon road through Gerumatergaon was thoroughly repaired and in part re-graded	7¼	1,529

Buildings—

	Rs.
Warwand rest-house	900
Repairs to three buildings	108
Well at Telia Sagwan in Gerumatergaon	365

The road in Gerumatergaon forest is a most important one, as it opens the reserve to export for Khamgaon. The progress in this division is very satisfactory.

13. Basim Division—

	Miles.	Rs.
Repairs to 52 miles of road in all forests	52	96
Erection of Sondabi rest-house (part)		511
Three quarters for forest guards		142
Repairs to 8 buildings		187

In 1892-93 only 21 miles of road were repaired for Rs. 99.

14. Wun Division—

No road work was done.

Buildings—

	Rs.
Sunna rest-house completed	201
Three revenue depôts built,—Digras, Darwha, Ner	685
Temporary house for guard	6
Repairs to 11 buildings	229

The total charges were Rs. 1,122 against Rs. 2,550 last year as funds had to be diverted for more important works.

(*b*)—Protection of Forest from Injury.

(*1*) *General protection and breaches of the Forest Law*

15. The general protection was good in all classes of forests, and in all divisions save Basim the check of illicit grazing was made more thorough.

Cases compounded under section 33 of the Forest Law were scrutinized, and the section has been very carefully worked.

The cases of breaches of law for the past and previous year compare as follows:—

	Criminal Court.				Compounded.				Total.				Undetected.			
	1892-93.	1893-94.	+	—	1892-93.	1893-94.	+	—	1892-93.	1893-94.	+	—	1892-93.	1893-94.	+	—
Injury by fire ...	23	10	...	13	1	10	9	...	24	20	...	4	13	13	...	...
Illicit felling or misappropriation.	232	87	...	145	381	491	110	...	613	578	...	35	36	51	15	...
Illicit grazing ...	47	9	...	38	211	120	...	91	258	129	...	91	5	1	...	
Other offences ...	17	10	...	7	12	39	27	...	29	49	20	...	...	...	...	...
Total ...	319	116	...	Net. 203	605	660	Net. 55	...	924	776	...	Net. 110	54	65	Net. 11	...
Undetected cases ...	...	...	...	...	...	...	...	...	54	65	Net 11	...	...	...	...	...

There was a decrease under all heads save "other offences," such as trespass, working without permit, &c., and a net decrease under all heads of 148 cases. As was to be expected the cases in court have again fallen (by No. 203), as only serious offences are taken before magistrates, and all petty offenders are allowed to compound. The comparisons made are, however, still affected by last year's report dealing with fifteen months, and the novelty of section 33 (compounding) of the new Forest Law, and there is no reason to suppose that as many as 106 forest cases (*i.e.*, exclusive of fire cases) need have been taken into court. There is no very marked difference in the number of cases in the different divisions, while the compensation accepted is generally based on the rough rate of double value in the case of first offences. The compensation realized in 604 cases affecting 1,471 persons amounted to Rs. 4,395 or Rs. 6·6 per case and 2·9 per person, against Rs. 4·6 and Rs. 2 last year.

The percentage of convictions in cases in courts was:—

	1892-93.	1893-94.		1892-93.	1893-94.
Ellichpur ...	81·8	85·0	Buldana ...	80 5	62·5
Amraoti ...	78·2	79·9	Basim ...	82·0	50·0
Akola ...	69·2	88·9	Wun ...	76·0	68·0

The variation is considerable, but tells little, as only very serious or doubtful cases, or cases where the offenders do not wish to compound, should be taken into court, so that the percentage is sure to fall off. Enquiry was made regarding the change in Basim, but no further action is required.

The fire cases compare as follows:—

	1892-93.		1893-94.	
	Convicted.	Undetected.	Convicted.	Undetected.
Ellichpur ...	3	...	2	...
Amraoti ...	5	...	1	...
Akola ...	1	...	...	4
Buldana ...	1	4	4	1
Basim ...	5	2	...	1
Wun ...	9	7	3	7

which shows unsatisfactory results in the relative number of undetected cases. The question of fire cases has been the subject of special reference, and it is believed that the action taken will insure success in future.

(2) Protection from fire.

16. The area under protection, 1,389 square miles, was 150 square miles in excess of the area of the previous year, while the area actually protected rose by 157 square miles, and the area of failures (still as much as 39 square miles) fell by 6 square miles. Owing to the length of new lines which had to be cleared the cost of protection rose from Rs. 7·2 to 8·6 per square mile. In Amraoti, Buldana, and Basim the charge per square mile was reduced. The newly protected areas were in—

	Square miles.		Square miles.
Ellichpur	108	Basim	12
Amraoti	23	Wun	6
Akola	1		

17. The main facts connected with the fire protection of the year are as follows :—

Division.	Year.	Area attempted.	Results.		Approximate cost per square mile of area attempted.
			Successfully protected.	Failures.	
					Rs.
Ellichpur	1893 ...	407,157	407,157	...	4·2
	1894 ...	475,968	475,742	226	6·5
Amraoti	1893 ...	12,211	12,211	...	10·3
	1894 ...	26,682	26,682	...	15·1
Akola	1893 ...	60,427	34,911	25,516	9·3
	1894 ...	61,383	50,231	11,152	16·7
Buldana	1893 ...	60,125	60,119	6	4·0
	1894 ...	60,125	59,607	518	3·12
Basim	1893 ...	121,833	121,722	111	10·2
	1894 ...	129,942	129,538	404	8·13
Wun	1893 ...	130,873	127,425	3,448	13·4
	1894 ...	134,749	122,079	12,670	13·14
Total ...	1893 ...	792,626	763,545	29,081	7·2
	1894 ...	888,849	863,879	24,970	8·6
Difference in favour or against the year ...		+96,223	+100,334	−4,111	+1·4

II.—No. of fires and the areas burnt.

Division.	No. of fires.		Areas burnt in acres.	
	1892-93.	1893-94.	1892-93.	1893-94.
Ellichpur	...	5	...	226
Amraoti	...	...	...	...
Akola	3	8	25,516	11,152
Buldana	2	4	6	518
Basim	2	3	111	404
Wun	11	15	3,448	12,670
Total ...	18	35	29,081	24,970

III.—Causes of fires.

1	2		3		4		5		6		7	
	Line burning.		Entered from outside forest.		Accidental.		Incendiary.		Unknown.		Total.	
	1892-93.	1893-94.	1892-93.	1893-94.	1892-93.	1893-94.	1892-93.	1893-94.	1892-93.	1893-94.	1892-93.	1893-94.
Ellichpur ...	...	...	...	...	...	4	...	1	...	...	...	5
Amraoti ...	...	...	...	...	...	...	...	...	...	...	...	...
Akola ...	2	4	1	...	...	...	...	3	...	1	3	8
Buldana ...	...	2	...	...	1	1	1	...	...	1	2	4
Basim ...	...	1	...	...	1	2	...	...	1	...	2	3
Wun ...	...	5	...	1	7	5	2	4	2	...	11	15
Total ...	2	12	1	1	9	12	3	8	3	2	18	35

There is an increase of ten in the number of fires (columns 2 and 3), which are more or less preventible.

In Wun this was solely due to abnormal unhealthiness, which during the fire season struck down half of the range officers, so that forest guards had to carry on range work, and the Divisional Officer had to fight on nearly single-handed.

In Buldana and Basim the subordinates were to blame, and one was dismissed in consequence.

In Akola the fires occurred in the new Ambabarwa reserve, where the lines run in very bad ground, and the staff was new to the work. Most excellent work was done in Ambabarwa, and though success was incomplete this year the richest parts of the forest were saved, and the organization of work was greatly improved.

The increase of five in the number of incendiary fires is much to be regretted : it occurred in the Wun forests and in Ambabarwa. From reports and personal observation, I am confident there is no sound basis for any ill-feeling, and there is little doubt the fires have followed a certain excess in leniency in forest management. The steps taken with a view to prevent the recurrence of these fires will, I believe, prove sufficient, and if they fail, a special police force should be employed, as the sooner incendiarism is put down the better for the community in general.

The fire season was a prolonged and trying one, and when the first rain fell, lightning caused five of the accidental fires, while the largest areas (over 12,000 acres) were burnt in three incendiary fires, shortly before the monsoon broke.

Considering the area attempted, the considerable additions made, and the trying season, the success attained is satisfactory, and no division could have done better than Ellichpur and Amraoti.

(3) Regulation of grazing and protection from cattle.

18. Some misconception seems to have arisen about forest grazing in Berar. The Berar Forest Law made no practical alteration in the rules as regards grazing and any recent changes are solely due to additions to our timber and fodder reserves ("A" and "B"), or to very limited temporary closure of pasture reserves where babul-bearing tracts have been classed State-forests "C" pasture reserves.

The forests are classed as follows :—

	Square miles.
i. Primarily reserved for the growth of wood or for fodder grass—State-forests A and B	1,544
ii. Primarily reserved for grazing, and in which during the current land settlement Government has conceded unlimited grazing free of any due—State-forests "C-II"	554
iii. Primarily reserved for grazing, but in which grazing can be regulated, and where grazing is paid for—State-forests C-I and III	2,059

In practice it is not feasible to restrict grazing in C-I and III, and broadly speaking we exercise little or no control over the head of cattle that grazes in 2,600 square miles, while our control should be supreme over the remaining area say 1,557 square miles, save in the few cases where concessions have been made. Any grazing in "A," "B," and so much of C-I as is stocked with acacia arabica (an area now under gradual transfer to "A") should be allowed for financial reasons only.

Turning to facts we find the forests are closed or open to grazing as follows :—

	1		2		3		4		5	
	Closed to grazing.		Open for rains only. No browsers.		Open for whole year. No browsers.		Open without restriction.		Total.	
	1892-93.	1893-94.	1892-93.	1893-94.	1892-93.	1893-94.	1892-93.	1893-94.	1892-93.	1893-94.
State-forest A ...	1,138	1,140	106	96	78	148	...	96	1,322	1,480
State-forest B ...	63	60	...	...	...	4	...	...	63	64
State-forest C and D,..	14	6	...	...	...	...	2,834	2,607	2,848	2,613
Total ...	1,215	1,206	106	96	78	152	2,834	2,703	4,233	4,157

The changes in "A" closed are due to corrections in area, while the area open for part of the year has had Chikalda (Ellichpur Division) excluded, as it is nominally open the whole year and Gahuli (Basim) has been added, as it is open to rains grazing.

The "A" areas open the whole year without browsers are in Ellichpur, *viz.*, Chikalda and in the Melghat forest villages. The "A" areas shown as grazed without restrictions are the new Melghat and Amraoti Reserves, in which grazing could not be regulated until the close of the year.

In State-forest "B" limited grazing is now allowed in some areas to test the effect, and also because a better price is obtained.

The changes in "C" and "D" are due to all the acacia arabica tracts (babul buns) having been shown as closed when this was not the case, and to changes in area owing to re-classification. The progress in regulating grazing has been satisfactory, and thanks to this year's work, the closed areas will increase considerably in 1894-95. In the Melghat though all the figures cannot be given this year the grazing question is finally settled, but in South Berar a good deal has yet to be done in the way of regulation, and "light grazing" in some "A" areas has still to be got rid of in Buldana.

19. A comparison for each division of our grazing resources, of the demand for grazing, and of the return therefrom is so useful that the form given last year is repeated.

District.	Grazing area.	Grazing head.	Grazing dues.	Grazing area per head.	Due per acre.
	Acres	No.	Rs	Acres.	Rs. a. p.
Ellichpur	610 460	225,467	21,188	2·7	0 0 6
Amraoti	172,160	233,902	31,739	0·7	0 2 11
Akola	148,480	139,049	31,440	1·3	0 3 5
Buldana	237,440	219,203	27,103	1·0	0 1 10
Basim	367,360	146,966	19,533	2·5	0 0 10
Wun	352,640	352,294	44,868	1·0	0 2 0
Total ...	1,888,640	1,316,913	1,75,961	1·4	0 1 6

During the year the grazing rules have been revised, and the rates in several districts changed with a view to the introduction of a fairly uniform grazing due for all Berar.

The changes in several cases did not come into effect in 1893-94, and the new rates were only issued at the close of the year, so that another year must pass ere we can see the grazing area as finally settled, and note the fair incidence of grazing in each district when unnecessarily unequal rates have ceased to lead to the migration of cattle. This year has been so much one of changes that it is impossible to account for all the variations shown by this form, but it is curious to note that in Basim, where no change in rate was made, the head has fallen off, while in Ellichpur, where the rate was increased, the head of cattle has increased. In Wun the abolition of the general grazing due has caused a fall of over one-sixth in the head. In Akola, the cattle seem to have resorted more to the Melghat than last year, but in all these cases the new rules and rates must come into full work before we can reasonably compare the results in different districts.

(*c*)—Improvement of Forest Growth.

20. A year is such a small fraction of time in the life of most trees that it is difficult annually to make novel remarks on this subject.

Taking the "A" forests in South Berar, improvement is visible in every forest protected from fire and grazing, but the spread of teak is not marked as it is in the Melghat: it should, however, be remembered that in the Melghat a compact block of 600 square miles of country was reserved, including all varieties of soil at different elevations, while as a rule in South Berar waste land was only available for reservation in the low hills, where the soil is poor and the areas of sheet rock considerable. In the Melghat the more the forest growth is examined and watched the more striking is the general improvement in growth and the wonderful spread of teak and bamboos, especially the former.

In the "B" forests, we are starting experiments to test the effect of limited grazing on grass lands, of firing them after the crop is cut, and of protecting them as heretofore from both fire and cattle. The B forests, as a rule, are in good order, though in some areas coarse grasses and thorns are making way to the exclusion of the finer fodder grasses.

In "C" forests the forest growth is not in a satisfactory condition, and the areas are overgrazed and overcut, but then it must be remembered these 2,600 square miles include nearly all the grazing land in Berar.

21. There are two points specially noted on in connection with this subject—

(i) The indiscriminate cutting the new Forest Law and Rules allow in "C" forests, and the limited amount of good done by regulating the cutting of a few (ten to twenty) trees. The present rules and concessions in C forests, if fully worked, must result in complete denudation.

(i) The widespreading danger all our more valuable forests, both in the Melghat and in Berar, are exposed to from the spread of *lantana scandens*, a subject noted on in paragraph 24.

Artificial reproduction.

22. During the year 1,089 acres have been operated on at a cost of Rs. 966 in Amraoti, Akola, Buldana Basim and Wun, while Rs. 260 were spent on nurseries for future planting in Wun, and Rs. 315 in date plantations and petty planting operations in Ellichpur.

In Amraoti 163 acres of failures in Chirodi have been written off, and at the close of the year two acres of fully stocked date plantation were handed over to the Ellichpur town for management.

Except in the planting of babul, 186 acres, planting work generally in Berar was not successful, and in no division is it probable that the area sown in the rains of 1893 will be half stocked in December 1894.

Early thinnings.

23. No regular thinnings have been made in any forest : the growth is generally too open rather than too dense. The cutting back operations in Bairagarh, which dealt with 12,673 acres and cost Rs. 3,243, in places consist of thinnings, but it is impossible to separate the thinned area from the total.

Other operations for the improvement of forest growth.

24. (i) The operation of the most vital importance is the extermination of *lantana scandens*, which as already noted threatens the very existence of our forests, as it is clear this shrub will grow and rapidly spread at almost any elevation in Berar and in almost any soil. It covers the ground in dense masses, climbs trees to a height of 20 feet, and though it kills all grass, it thoroughly prevents the reproduction of any tree growth. *Lantana* does not act as a bar to fire : it burns freely in the hot weather, and shoots up vigorously from the roots after being burnt over. The Resident has sanctioned a scheme for the extermination of *lantana* in the Melghat, and has directed steps to be taken to have it cleared out in any other district where it has been introduced. The work of grubbing up *lantana*, which can only be done while the ground is moist, was sanctioned in April 1894 and Rs. 3,100 are being spent in 1894-95, while arrangement will be made for any necessary grant in 1895-96, and also in later years, as all other works of improvement (save fire protection) must give way to this all-important work. During 1893-94 Rs. 128 only were spent in the forests near Chikalda, but work on an extensive scale was started in June 1894, and is going on very satisfactorily.

(ii) Climbers (chiefly B. *vahlii*) were cut in Bairagarh Reserve, Ellichpur Division—

	Acres	Rs.
C. No. 1 Sembadoh	2,017	542
C. No. 1 Chowrakund	2,544	245
C. No. 2 Butrum	5,018	369
C. No. 2 Chunkari	2,647	828
Total ...	13,126	1,984

or annas 2 3 4 per acre. The cost of the operation is most unsatisfactory and reflects badly on the foresters in charge. The works in the Ellichpur Division were particularly heavy and scattered this year, and the Divisional Officer and the Bairagarh Sub-Divisional Officer were not able to give enough time to the climber cutting work.

Experiments.

25. Experiments as to the best mode of treating our fodder reserves (State-forests "B") have been started in Amraoti, and the yield in the sample areas treated under different plans will year by year be weighed and recorded. The date palm plantations which are fairly stocked have been struck off experimental works, and will in future only be afforded ordinary protection from cattle, &c., as it now only remains to be seen if they will grow as well as the indigenous palms, and so prove to be of practical value.

(*d*)—Exportation of major Forest Produce.

26. The descriptions of methods of working given in paragraphs 26 and 27 of the 1892-93 Forest Report still apply generally, and need not be repeated. Slight changes in the areas managed under different places have been made as follows :—

i. Clear or clean felling with artificial regeneration, 21 square miles, shows no change.

ii. Improvement fellings 1,623 square miles, an increase of 121 square miles owing to the additions to the Bairagarh working circles and to the Buldana "A" forests being transferred for working to this head.

iii. Unregulated fellings, as defined last year, 1,786 square miles, a decrease of 231 square miles due to the exclusion of the new "A" reserves which are managed either under (i) or (iv), and to the areas excluded for cultivation, &c.

iv. Areas in which no fellings of green trees are being made, and whence dry wood only is removed, 674 square miles, the increase is owing to the transfer of Buldana "A" forests to (ii), and the addition of the new "A" reserves (Bairagarh excepted) which at present require complete rest.

N.B.—Of the State-forest "B" grass reserve, area 64 square miles, only 11 square miles (in iii) are worked for fuel as well as grass, leaving 53 square miles worked for grass only.

27. The changes in detail are as follows :—

ii. Improvement fellings—

In Ellichpur 27 square miles of new "A" forests has been added to Bairagarh and comes under the working plan for that reserve. In Buldana the "A" forests, 94 square miles, have been brought under this head.

iii. Unregulated fellings—

The reduction of 231 square miles is thus accounted for—

Ellichpur division.—79 square miles new State-forests, class "A," added to Gugumal, Chikalda, and constituted as Kohana, were transferred to (iv), and the addition to Bairagurh, 27 square miles, was transferred to (ii).

			Square miles.
Amraoti Division, new State-forest, class "A"		...	22
Akola	do.	do.	5
Basim	do.	do.	13
Wun	do.	do	9
		Total ...	49

iv. Forests whence dry wood is only removed—

The net addition of 34 square miles is thus accounted for—

Ellichpur Division.—State-forests "A" 79 square miles as described above, and 49 square miles in Amraoti, Akola, Basim and Wun were newly reserved as "A" and put under this head for recuperation. As the reclassification of forests is wound up, and working plans are completed, the area under iii. "unregulated fellings" will be transferred to i. ii. or iv. until the iii. area will represent pasture reserves pure and simple, yielding grass and thorns only, and from which no part of our timber and fuel sapplings can be drawn.

(*e*)—Extraction and Transport of Major Produce by Land and Water.

28. No changes have been made in the systems described in paragraph 28 of the Berar Forest Report 1892-93.

(*f*)—Exploitation of Minor Forest Produce.

29. No change has been made in the systems described in paragraph 29 of the 1892-93 report, but enquiries have been instituted as to the possibility, now the Melghat State-forests, class A, have been so much increased, of improving the revenue collection system by abolishing a certain number of forest revenue stations (nakas) and selling the produce by auction, and also in extending the collections by range officers within the "A" forests to all "A" revenue, and checking the ranger's export passes at the stations on the boundary of the forest, instead, as at present in the case of bamboos and minor produce, checking the export passes and also collecting the revenue in these stations.

It is probable that besides improving the system of check, such changes may also reduce the charges, or at any rate increase the strength of the staff inside the forests.

Chapter III—Gross Yield and Outturn of Forest Produce.

30. To simplify comparison the yield and outturn during the forest year 1892-93 has been worked out, and the comparative statements given in this and the following chapter are made between 1893-94, and the previous forest year and not with the 15 months reviewed in the 1892-93 report.

31. The outturn of the two years compare as follows :—

		1892-93, forest year.	1893-94, forest year.	Increase.	Decrease.
Timber	c ft. ...	416,585	644,990	228,405	...
	value Rs ...	1,17,074	1,26,868	9,794	...
Fuel	c.ft. ...	1,318,000	1,195,772	...	122,228
	value Rs. ...	49.104	49,070	...	34
Bamboos	No. in 100's...	27,993	21,636	...	6,357
	value Rs. ...	44,140	34,011	...	10,129
Grass	value Rs. ...	44,747	43,678	...	1,069
Grazing	value Rs. ...	1.55,025	1,75.962	20,937	...
Miscellaneous	value Rs. ..	22,116	50,135	28,019	...
Gross revenue per square mile	Rs. ...	102	115	13	...
Net revenue per square mile	Rs. ..	47	52	5	...

It was pointed out last year that the fall in the outturn, as compared with that of the previous year, though due in part to changes in the law, &c., which it was known would affect the returns, was as a whole abnormal and due to untimely rain, &c., and that at the close of the year the exports were rising. The figures given above show the correctness of the forecast. There has been an improved outturn of timber, and though the sales of fuel through Patels have fallen off, the auction sales have been good, and the reduction in value is nominal

in amount. The fall in grass sales was due to the splendid crop of grass all over the country, owing to timely rain in September 1893, which reduced the demand on our fodder reserves.

The bamboo sales are disappointing. In the summer of 1893, the exports rose rapidly and good prices were obtained, apparently the exporters glutted the market, and from February 1894 prices fell and the demand was very slack up to the end of the year.

Under grazing the additional care taken in checking passes, and in some instances the increased rates have added to the receipts, while in parts passes have been taken out earlier than usual, so that grazing dues for two seasons are credited within one year.

The special success of the year was in "hilda," which was collected this year in the Melghat under Government supervision, and sold in bulk. The crop of hilda (black myrabolams) was heavy, and Mr. Calthorp, the Divisional Officer, and Mr. Misriprasadh, who was in charge of Bairagarh, made most admirable arrangements for collection and sale; the result was a gross income of Rs. 21,000, and a net return of Rs. 10,000, against ordinary receipts of about Rs. 900 from this source. The remaining increase under this head was due to a good fruit crop and an increase in lac sales.

32. The outturn by divisions compares as follows :—

Division.	State-forest Class.	Timber.				Fuel.				Bamboos in hundreds.			
		1892-93, Forest year.	1893-94, Forest year.	1893-94.		1892-93, Forest year.	1893-94, Forest year.	1893-94.		1892-93, Forest year.	1893-94, Forest year.	1893-94.	
				Increase.	Decrease.			Increase.	Decrease.			Increase.	Decrease.
Ellichpur	A. Timber and fuel c.ft.	98,481	81,145	...	17,336	812	2,786	1,974	...	23,382	18,056	...	5,326
	Value Rs.	43,102	38,955	...	4,337	22	79	57	...	35,100	27,085	...	8,184
	C. Grazing c.ft.	175,885	373,774	197,889	...	355,705	369,916	34,211	...	3,842	2,536	...	1,306
	Value Rs.	54,284	64,023	9,739	...	10,631	12,050	1,416	...	7,617	5,072	...	2,545
	Total c.ft.	274,366	454,919	180,553	...	356,517	392,702	36,185	...	27,224	20,592	...	6,632
	Value Rs.	97,476	102,878	5,402	...	10,653	12,129	1,473	...	42,740	32,157	...	10,589
Amraoti.	A. Timber and fuel c.ft.	211	...	...	211	1,540	1,396	...	144	...	...	...	...
	Value Rs.	30	...	...	30	79	69	...	10	...	...	...	...
	C. Grazing c.ft.	1,090	681	...	909	287,240	271,237	...	16,012	...	...	...	...
	Value Rs.	112	44	...	68	15,202	15,388	186	...	...	...	...	...
	Total c.ft.	1,891	681	...	1,210	288,789	272,633	...	16,156	...	...	...	...
	Value Rs.	142	44	...	98	15,281	15,487	...	9,844	...	...	...	...
Akola.	A. Timber and fuel c.ft.	2,144	273	...	1,871	77,315	90,187	12,872	...	2	130	128	...
	Value Rs.	311	39	...	272	3,804	4,530	726	...	5	195	190	...
	C. Grazing c.ft.	23,988	32,356	8,368	...	224,209	136,824	...	87,445	...	...	...	...
	Value Rs.	3,241	3,825	584	...	9,750	6,920	...	2,830	...	...	...	...
	Total c.ft.	26,132	32,629	6,497	...	301,524	227,011	...	74,573	2	130	128	...
	Value Rs.	3,552	3,864	312	...	13,554	11,510	...	2,104	5	195	190	...
Basim.	A. Timber and fuel c.ft.	1,064	4,004	2,940	...	13,627	26,297	12,670	...	...	...	...	...
	Value Rs.	207	555	348	...	461	1,252	786	...	...	...	...	...
	C. Grazing c.ft.	21,423	50,549	29,126	...	90,154	60,258	...	29,896	...	...	...	...
	Value Rs.	3,200	7,089	3,889	...	2,679	1,845	...	834	...	...	...	...
	Total c.ft.	22,487	54,553	32,066	...	103,781	86,555	...	17,226	...	...	...	...
	Value Rs.	3,407	7,644	4,237	...	3,143	3,097	...	46	...	...	...	...
Wun.	A. Timber and fuel c.ft.	3,945	769	...	3,176	5,522	4,800	...	722	30	15	...	24
	Value Rs.	177	195	18	...	244	264	20	...	78	32	...	46
	C. and D. Grazing c.ft.	74,694	90,071	15,377	...	58,206	48,470	...	9,736	24	57	33	...
	Value Rs.	11,043	10,106	...	937	1,869	1,605	...	264	48	114	66	...
	Total c.ft.	78,639	90,840	12,501	...	63,728	53,270	...	10,458	63	72	9	...
	Value Rs.	11,220	10,301	...	919	2,113	1,869	...	244	126	146	20	...
	A. Timber and fuel c.ft.	25	93	68	...	6,719	6,255	...	464	234	572	238	...
	Value Rs.	4	23	19	...	183	174	...	10	534	932	398	...
	C. Grazing c.ft.	13,345	11,275	...	2,070	196,892	157,346	...	39,536	344	268	...	76
	Value Rs.	2,018	1,864	...	154	5,213	4,855	...	358	679	531	...	148
	Total c.ft.	13,370	11,368	..	2,002	203,601	163,601	...	40,000	578	840	162	...
	Value Rs.	2,022	1,887	...	135	5,396	5,028	...	368	1,263	1,513	250	...
Total	A. Timber and fuel c.ft.	105,870	86,284	...	19,386	105,535	131,721	26,186	...	23,757	18,776	...	4,982
	Value Rs.	43,021	39,867	...	4,254	4,856	6,427	1,571	...	35,776	28,294	...	7,482
	C. and D. Grazing c.ft.	311,015	558,706	247,891	...	1,212,455	1,064,051	...	148,414	4,210	2,991	...	1,349
	Value Rs.	78,898	86,951	13,053	...	45,347	42,643	...	2,704	9,364	5,717	...	3,647
	Total c.ft.	416,885	644,990	228,405	...	1,318,000	1,195,772	...	122,228	27,967	21,696	...	6,331
	Value Rs.	117,919	126,818	5,799	...	50,203	49,070	...	1,133	44,140	34,011	...	10,129

ELLICHPUR DIVISION—

The increase in timber was principally due to the opening of teak pole cutting in State-forest C-III, our largest grazing area and one nearly free from restrictions on cutting—a change which is the outcome of the new Melghat forest settlement.

Bamboo sales have been referred to above, hilda exports rose by 503, lac by 4, and other minor produce by 247 tons—increases which indicate very careful and successful management by Mr. Calthrop and the Range-officers.

The outturn of the four working circles in Bairagarh was as follows :—

Name of circle.	Number of compartment.	Cubical contents.	Revenue realized in 1893-94 (Forest-year).	When worked.
Sem badoh	1 and 23 ..	34,715	15,766	1st July to 30th June 1893-94.
Chaorakund	1 and 22 ...	17,159	8,022	
Butrum	1 ...	7,073	3,153	
Chunkheri	1 ...	21,831	11,816	
Total ...		80,778	38,757	against Rs. 43,155 in 1892-93 (Forest year).

The difference in yield is due to the poverty of two compartments, which involved very careful marking. All the saleable timber cut was easily sold.

AMRAOTI DIVISION—

The fall in timber and fuel was due to short sales by Patels, mainly due to the new rules which practically concede free fuel and timber to any village touching a "C" forest.

Grazing and miscellaneous produce exports rose, entirely owing to careful work on Mr. Srinavasalu's part.

AKOLA DIVISION—

The increase in timber is mainly from the A. arabica tracts (or babul buns) C-I, while the fall in fuel is in C forests for causes explained above. The fuel sold under the working plans in Loni and Bhongoan exceeded the sales of the previous year. Bamboo sales in Ambabarwa have been started and should now increase.

BULDANA DIVISION—

The increase under both timber and fuel is due in part to the improvement fellings started in Gerumatergaon but mainly to the assiduity with which the Officiating Divisional Officer, Mr. Bisseswar Singh, pushed his auction sales.

BASIM DIVISION—

The increase in outturn, but decrease in the sales of timber, is due to the poverty of the areas felled under the plan of operations.

Fuel fell off as elsewhere and bamboos rose slightly. Minor produce rose by 828 tons and Rs. 755.

WUN DIVISION—

The variations in Wun are slight and call for no special remark. The large area of waste land in leased villages in Wun make it difficult to push sales of timber, &c., from our forests.

33. The returns from grazing have been explained, but until the new rules have been in force for a year, it is useless to criticize the figures in detail; but it is certain that increased care in checking cattle and passes has reduced illicit grazing and raised the receipts.

34. The outturn of minor forest produce is very satisfactory, and though we cannot hope to maintain the hilda receipts permanently at the high figure of this year, the average increase in this product and in lac should prove considerable.

Between November 1893 and March 1894, the Hathighat B forest, Ellichpur Division, was worked by the Forest Department for the Military Department, and 16,07,367 lbs. of fodder grass were delivered for the Battery and Transport at Ellichpur. This work was a very troublesome one, and was carried out most successfully. The grass was cut, carried six miles and delivered for Rs. 11-5-5 per ton.

35. The free grants of the year were as follows :—

Authority under which granted.	Name of division or district.	Name of grantee.	Purpose for which granted.	Produce granted.		
				Description.	Quantity.	Value Rs.
Conservator of Forests, Hyderabad Assigned Districts.	Amraoti ...	Patels of villages who rendered assistance.	For houses ...	Unreserved timber ...	168 c.ft.	100
Do.	Akola ...	Patels of villages who rendered assistance	For houses ...	Unreserved timber ...	140 c.ft	90
		Do.	Do.	Grass ...	16 ct.lds.	8
						98
Do.	Basim ...	Patel of Gava	For a chaori.	Unreserved timber ...	15 c.ft.	4
		Patel of Lavi	Do.	Teak poles	54 „	19
		Patel of Kerda	Do.	Teak poles and unreserved timber.	194 „	64
		10 villages of Bansi	For re-building their huts.	Unreserved timber ...	280 „	60
					543 c.ft.	147
Do.	Wun ...	Patel of Watholi	For a chaori.	Unreserved timber	8 ct.lds.	16
				Bamboos	No. 200	4
		Patel of Antergaon	Do.	Unreserved timber.	4 ct. lds.	8
		Patel of Terapur	Do.	Do.	4 „	8
		Villages of Sawar	For private purposes.	Do.	24 „	48
		Patels of several villages who rendered assistance.	Do.	Grass ...	117 „	44
			Total ...	Unreserved timber ...	868 c.ft.	80
				Bamboos ...	No. 200	4
				Grass ...	52 tons	44
						128
						473

Showing grants value at Rs. 473 against Rs. 1,201 last year.

No attempt is made to estimate or value the free grants under general concessions.

Chapter IV.—Financial Results.

36. The financial results of the last five years compare as follows :—

Year.	Receipts.	Charges.	Surplus.
	Rs.	Rs.	Rs.
1889-90 (Financial)	4,40,540	1,76,549	2,63,991
1890-91 (do.)	4,87,109	1,68,922	3,18,187
1891-92 (do.)	5,11,185	1,98,365	3,12,820
1892-93 (Forest year)	4,32,206	2,49,643	1,82,563
1893-94 (do.)	4,79,475	2,64,318	2,15,157

The increase in receipts of Rs. 47,266 and in the surplus of Rs. 32,594 are satisfactory; while, as will be shown later on, the increase in charges of Rs. 14,625 is temporary only, and the ordinary charges of the year were lower than those of the previous year.

The decrease in average receipts and the increase in average charges are noticeable features, and at the risk of repetition some remarks on the subject may be useful.

There is a real fall in forest revenue due to several causes. Prior to the introduction of the new forest law all waste lands in Berar were "unreserved forest," and considerable miscellaneous collections for timber, fuel and other products were credited to "forests" for areas which under the new law are not State-forests, and the revenue for which has passed to other heads "land revenue, &c." In the unreserved forests the inhabitants of a village under the old forest rules practically only collected dry wood from the forest area within their own village; under the new law the concessions granted practically place no limit on the State-forest "C" within which timber, &c., may be collected, except that the boundary of the village must touch some part of the "C" forest; the result is that increasing quantities of timber, &c., are being taken free of due.

Lastly the abolition of the general district grazing due in the Wun district and Morsi taluk has caused, and is causing, a diminution in the grazing dues, which will only gradually be made good by the substitution of higher rates for optional grazing; thus Rs 2,400 less was collected in Wun last year, and in Morsi the change will be felt in 1894-95, the first year of the new arrangements in that taluk.

The amounts thus transferred or lost aggregate a considerable sum, probably some Rs. 25,000 or more in the year under review.

Turning to expenditure it may be observed that to maintain the forest revenue at its present figure, and to attain to an average of five lakhs a year, which is a fair amount for Berar, the only plan is to open up our forests and encourage export, and to develop sales of minor produce.

The policy sketched out above involves a temporary increase in the expenditure and a temporary reduction of the surplus, but it seems to be the only feasible one, and the returns for the year fully justify it.

37. The revenue of the year was realized as follows :—

	1892-93. Forest year.	1893-94. Forest year.	1893-94. Increase.	1893-94. Decrease.
	Rs.	Rs.	Rs.	Rs.
Timber	1,17,074	1,26,618	9,544	...
Firewood and charcoal	49,104	49,070	...	34
Bamboos	44,140	34,011	...	10,129
Grazing	1,55,025	1,75,961	20,936	...
Grass	44,747	43,679	...	1,068
Other minor produce	18,220	42,849	24,629	...
Confiscated produce	725	374	..	351
Miscellaneous	3,171	6,913	3,742	...
Total ..	4,32,206	4,79,475	58,851	11,582

The figures under all heads are satisfactory save bamboos, and here it is disappointing to find the demand is not steadily rising. As already explained exporters glutted the market, and prices for bamboos fell heavily. The decrease under confiscated produce is due to the produce being in compensation cases returned to the would-be illicit exporters. The increase in minor

forest produce is due to hilda and lac sales, and that under "miscellaneous" to compensation, and about half of the amount of the latter is the value of the produce removed.

The figures are in every way hopeful for the future.

38. The expenditure of the year contrasts as follows with that of 1892-93 :—

Budget heads.	1892-93 (Forest year).	1893-94 (Forest year).	1893-94, Increase.	1893-94, Decrease.
A.—Conservancy and Works.				
II. Timber, &c., removed from the forests by consumers, &c.	40,442	42,116	1,674	...
V. Rent of leased forests and payments to shareholders in forests managed by Government	23,368	20,244	...	3,124
VI. Live and dead stock	7,474	8,019	545	
VII. Communications and buildings	38,679	37,708	...	971
VIII. Demarcation, improvement and extension of forests ..	22,126	28,138	6,012	...
IX. Miscellaneous	1,047	625	...	422
Total A. ...	1,33,136	1,36,850	8,231	4,517
B.—Establishments.				
I. Salaries	93,726	1,00,931	7,205	...
II. Travelling allowances	14,229	15,152	923	...
III. Contingencies	8,552	11,385	2,833	...
Total B. ...	1,16,507	1,27,468	10,961	...
Total A and B. ...	2,49,643	2,64,318	19,192	4,517

The increase under A-II. is due to payments on account of hilda amounting to about Rs. 11,000. The decrease under A-V. is nominal, as in 1891-92 Rs. 3,000, on account of the payments to the Melghat Rajas, was in arrears, owing to a decree in court delaying the payment, and this brought the debit into 1892-93.

The increase under A-VII. is due to fewer payments towards the end of the forest year than in 1892-93, as most of the roads were paid for before March 1894.

The increase under A-VIII. is due to special charges ; under demarcation (Rs. 1,500), on account of the purchase of the lease of a village in Wun (Rs. 1,000) and under fire conservancy (Rs. 3,400) : the latter is partly special for lines round new reserves, but chiefly ordinary charges.

The date of payment of these latter charges depends on the burst of the rains, which this year broke in June, so as to allow all debits to be made before the close of the year; while in 1892-93 many payments for the season fell in July, *i.e.*, in the following forest year.

As regards payments generally it may be noted that this is the first complete forest year, and that from this year on the true charges of the year will, as far as possible, be paid during the year, and needless divergencies such as those noticed will be avoided.

The increased pay of officers is within the sanctioned amounts, and is due to an Assistant Conservator being on duty during the entire year, while last year he was absent on special duty for six months; also to the appointment of an Extra Assistant Conservator to a vacant post, and to the promotion of officers.

The increase in travelling allowances and contingencies is due to the above causes, and also to the payment of all charges to 30th June being this year entered in June accounts for reasons noted above. It will be apparent therefore that as the year included over Rs. 10,000 expenditure on capital account (compensation and a new elephant), very considerable forward payments under fire conservancy establishment, &c., and a novel charge for hilda, the increased charges are not permanent.

39. The receipts and charges under main heads are as follows :—

Source of revenue and expenditure.	1890-91 (Financial year).		1891-92 (Financial year).		1892-93 (Forest year).		1893-94 (Forest year).	
	Surplus.	Deficit.	Surplus.	Deficit.	Surplus.	Deficit.	Surplus.	Deficit.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I. Departmental timber operations.	...	...	...	...	...	...	...	...
II. Other revenue ...	3,82,509	...	3,88,227	...	2,99,596	...	3,43,056	...
III. Protection, &c. ...	...	64,322	...	75,407	...	1,17,033	...	1,27,899
Total ...	3,82,509	64,322	3,88,227	75,407	2,99,596	1,17,033	3,43,056	1,27,899

40. The financial results in each division are summarized as below :—

Division.	Class of forests.	Revenue.		Expenditure.		Surplus.		Deficit.	
		1892-93 (Forest year).	1893-94 (Forest year).	1892-93 (Forest year).	1893-94 (Forest year).	1892-93.	1893-94.	1892-93.	1893-94.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Direction.	Office	108	434	26,351	32,612	...	...	26,243	32,178
Ellichpur.	Office	332	509	25,205	22,041	...	...	24,873	21,532
	A.	78,701	88,375	45,851	63,854	32,850	24,521	...	...
	B and C-I and II ...	5,776	6,111	4,687	2,012	1,089	4,099	...	...
	C-III	85,539	1,06,117	34,917	30,185	50,622	75,932	...	...
		1,70,348	2,01,112	1,10,660	1,18,092	84,561	1,04,552	24,873	21,532
Amraoti.	Office	8	356	6,780	6,150	...	...	6,772	5,794
	A.	8,400	25,410	2,233	7,860	6,167	17,550	...	...
	B and C.	69,333	55,635	7,316	5,057	62,017	50,578	...	...
		77,741	81,401	16,329	19,067	68,184	68,128	6,772	5,794
Akola.	Office	64	4	7,808	6,489	...	...	7,744	6,485
	A.	14,004	16,012	4,882	8,686	9,122	8,326	...	...
	B and C.	29,044	35,974	8,793	7,131	20,251	28,843	...	...
		43,112	52,890	21,483	22,306	29,373	37,069	7,744	6,485
Buldana.	Office	2	1	5,646	4,226	...	...	5,644	4,225
	A.	4,398	5,911	3,157	5,852	1,241	59	...	...
	B and C.	29,593	37,002	7,871	7,998	21,722	29,004	...	...
		33,993	42,914	16,674	18,076	22,963	29,063	5,644	4,225
Basim.	Office	18	480	4,133	7,282	...	...	4,115	6,802
	A.	4,646	2,730	6,047	6,833	...	...	1,401	4,094
	B. C and D.	37,121	34,438	8,404	5,090	28,717	28,748	...	...
		41,785	37,657	18,584	19,805	28,717	28,748	5,516	10,896
Wun.	Office	...	3	9,463	7,282	...	...	9,463	7,279
	A.	4,147	4,679	16,576	12,127	...	...	12,429	7,448
	B. C and D.	60,972	58,385	13,523	14,951	47,449	43,434	...	...
		65,119	63,067	39,562	34,360	47,449	43,434	21,892	14,727
		4,32,206	4,79,475	2,49,643	2,64,318	2,81,247	3,10,994	98,684	95,837
					Deduct deficit ...	98,684	95,837		
					Net surplus ...	1,82,563	2,15,157		

Chapter V.—Forest Administration.

41. The circle and controlling charges were held as follows :—

Direction Division.—Mr. C. Bagshawe, throughout the year.

Ellichpur Division.—Mr. G. F. Prevost, Deputy Conservator of Forests, from 1st to 19th July 1893.
Mr. H. Cahhrop, Deputy Conservator of Forests, from 20th July 1893 to 30th June 1894.

Amraoti Division.—Mr. Srinivasulu Naidu, Extra Assistant Conservator of Forests, throughout the year.

Akola Division.—Mr. C. Haldane, Extra Assistant Conservator of Forests, from 1st July to 5th August 1893.
Mr. Srinivasulu Naidu, Extra Assistant Conservator of Forests, from 6th August to the 15th October 1893.
Mr. L. K. Martin, Extra Assistant Conservator of Forests, from 16th October 1893 to 30th June 1894.

Buldana Division.—Mr. B. Bhukan, Extra Assistant Conservator of Forests, from 1st July to 12th December 1893.
Mr. Bisseear Singh, Forest Ranger, from 13th December 1893 to 11th June 1894.
Mr. B. Bhukan, Extra Assistant Conservator of Forests, from 12th to 30th June 1894.

Basim Division.—Mr. C. Haldane, Extra Assistant Conservator of Forests, from 1st to 21st July 1893.
Mr. E. M. Coventry, Assistant Conservator of Forests, from 22nd July, to 11th November 1893.
Mr. C. Haldane, Extra Assistant Conservator of Forests, from 12th November 1893 to 30th June 1894.

Wun Division.—Mr. Mansuk Rai, Extra Assistant Conservator of Forests, throughout the year.

Mr. E. M. Coventry, Assistant Conservator of Forests, left Berar on transfer to the Punjab in November 1893.

Mr. R. M. Williamson joined in Berar, from the Cooper's Hill College, in November 1893, and has been attached throughout the working season to the Ellichpur Division, where he has done very good work.

Mr. Ahmed Ali, Extra Assistant Conservator of Forests, was in charge of the Melghat State-forests, class C-III., and of the Chikalda Reserve.

Mr. Bhukan, Extra Assistant Conservator of Forests, was employed on special duty for six months in connection with the organization of forest villages in the Melghat; he was selected as specially experienced in the work, but carried out his work in such an unsatisfactory way as to cause much trouble and delay.

Mr. Peake, now Extra Assistant Conservator of Forests on probation, joined the department from the Dehra Dun Forest School in July 1893 and he has been employed on demarcation work, marking trees for sale and subsequently on the lantana extermination operations.

Mr. Bissesarsing, who was deputed to the temporary charge of Buldana Division, did most excellent work, and was indefatigable in supervising his fire conservancy, road and building work, and in carrying out his timber sales successfully.

I wish also to bring to notice the very great interest taken in forest work by Mr. Narayansingh Bhabutsingh, the Tahsildar of Morsi, which has greatly forwarded forest interests in the taluk.

42. Mr. Craddock continued to hold a Berar stipend at the forest school, and was well reported on.

Messrs. N. Sripat and Ambekar, after working in the Amraoti forests on valuation surveys and general work for which they were commended by the Divisional Officer, joined the forest school as stipendiaries in June 1894. Arrangements are in progress for employing one or possibly two of the 1894 passed students from Dehra Dun.

43. The scheme for the reorganization of the forest executive and protective staff is still unsanctioned, and the work in every branch is greatly hampered in consequence; as our senior men thoroughly deserve promotion, and we are unable to reward them, or to extend remunerative works. The gravity of the position, is I understand, fully recognized, and I need not do more than to note that we were only saved from a breakdown this season by the Resident sanctioning four temporary foresters, and even then some ranges had for short periods to be held by forest guards.

44. It gives me very great pleasure to acknowledge the good service tendered by all Divisional Officers. Mr. H. Calthrop, with his novel charge, had a large number of new works to start in the demarcation, the protection of new reserves, and the organization of forest villages, and besides carrying these through, his outturn of road and other work was excellent, and the year's revenue was the highest on record.

Mr. Mansukh Rai worked very hard and well in his difficult charge and deserved greater success in his fire conservancy than fortune awarded.

Messrs. Srinivasalu and Martin did good work in Amraoti and Akola, and are very promising young officers.

The Deputy Commissioners, Messrs. Godwin Austen, and Hare, write in warm terms of their able management of the forests.

45. Among the executive staff Mr. Misri Prasadh, Forest Ranger, deserves commendation for the work in Bairagarh, and specially for the hilda operations, of which he was in charge. Mr. Ramdyal Singh, Forest Ranger, shows a very good outturn of road work at markedly cheap rates, in addition to special work on demarcation and fire conservancy.

Forest Rangers Krishna Swami, Shaikh Rahman, Pandurang, Totaram and Narhar have also done specially good work, while Foresters Ahmed Saheb, Bhairao Singh, Ram Singh, Papanah, Vittal Sakharam, Amirali, Bhonaji and Khushal Amraji merit particular commendation.

46. The members of the different offices are well reported on, and the state of office work is generally satisfactory, the names of head clerks Messrs. Madhao Bapuji, Balvant Ramchandra and Raoji Ramchandra are specially mentioned, while Mr. Ganesh Narayan has fully maintained his reputation for intelligent and accurate hard work in the Direction Division.

47. The year was abnormally feverish and unhealthy, and several deaths occurred among the subordinates in Wun, Buldana and Ellichpur, while Akola and Basim suffered severely, though not to a fatal extent.

48. During the year valuation surveys of the forest growth in the leased (izara) villages, in the Wun district, were undertaken for the Revenue Department. Mr. Krishna Swami, Forest Ranger, was placed in charge of the work which was started and supervised by Mr. Mansukh Rai.

Forests in 101 villages in Yeotmal and Darwha were valued, and these taluks would have been completed had not six village maps and area registers been missing. The work was well done and has been approved of by the Commissioner and Resident.

25th August 1894.

C. BAGSHAWE,
Conservator of Forests,
Hyderabad Assigned Districts.

APPENDICES.

B-458

FORESTS.

ANNUAL FORM No. 46.—(PRESCRIBED).—*Area of State-forests, 1893-94 (1st July 1893 to 30th June 1894).*

Division.	Range.	Civil district or territory.	Name of forest.	Area on 1st July 1893. Acres.	Area on 1st July 1893. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1894. Acres.	Area on 30th June 1894. Equivalent in square miles.	No. and date of notification of addition or transfer, &c.	Remarks.
Ellichpur.		Ellichpur district.	*Class A.—Timber and fuel reserves.*							In *Residency Orders.*	Transferred from D :—
	Bairagarhi ...		Bairagarh	272,040	425	(a) 25,527		297,576	465	No. dated	(a) 17,134 blocks of Nirgun, Biba, Gana, and Silona newly reserved. 8,393 recalculation of areas.
	Gugumal ...		Gugumal	115,044	180	(b) 43,430	(c) 6,530	151,944	237	,, do.	Transferred from D :— (b) Blocks of Jamgarh, Khari, and Khatkali newly reserved.
										,, do.	(c) Recalculation of areas.
	Chikalda ...		Chikalda	20,064	31	(d) 2,804	(e) 356	22,512	35	,, do.	(d) Block of Tetu newly reserved.
										,, do.	Transferred from D :— (e) 228 recalculation of area 128 Anjiri leased village area omitted.
	Kohana ...		Kohana	...	...	(f) 3,916	...	3,916	6	,, 231, dated 22nd ,, dated	(f) Block newly reserved, Transferred from D.
			Total ...	407,157	636	75,697	6,886	475,968	743		
			Class B.—Grass reserves (rumnas).								
	Ellichpur taluk ...		Ellichpur taluk ...	95	...	...	...	95	...		
	Melghat do. ...		Hathighat ...	3,587	6	(g) 5	...	3,592	6		(g) Recalculation of
			Total ...	3,682	6	5	...	3,687	6		
			Class C.—Pasture reserves.								
	Ellichpur taluk ...		Ellichpur taluk ...	27,382	43	(h) 1,183	...	28,565	45	No. 242, dated 18th Aug. 1893, ,, dated	(h) Transferred from D.
	Dariapur do. ...		Dariapur do. ...	8,282	13	(k) 241	...	8,523	13		
	Melghat do. ...		Melghat do. ...	...	...	(i) 485,115	...	485,115	758		(i) do.
			Total ...	35,664	56	486,539	...	522,203	816		
			Class D.—Temporary pasture reserves.								
	Ellichpur taluk ...		Ellichpur taluk ...	1,332	2	(j) 7	(k) 1,339	...	...	No. 241, dated 11th Aug. 1893.	(j) Correction of area.
	Dariapur do. ...		Dariapur do. ...	257	...	...	(l) 257	...	...	,, 243, do. ...	(k) 1,183 transferred to C. 175 disforested.
	Melghat do. ...		Melghat do. ...	586,275	916	...	(m) 586,275	...	...	,, 317, dated 11th Oct. 1893.	(l) 241 transferred to C. 16 disforested.
			Total ...	587,864	918	7	587,891	...	...	,, 243, dated 11th Aug. 1893, ,, 317, dated 11th Oct. 1893, ,, dated	(m) 75,697 transferred to A, 485,115 transferred to C, 25,463 omitted being alienated village areas.
			Total Ellichpur Division	1,034,367	1,616	562,248	594,777	1,001,838	1,565		
Amraoti.		Amraoti district.	*Class A.—Timber and fuel reserves.*								
	Amraoti hills ...		Chirodi	8,133	13	...	...	8,133	13		
	Mahdari		Mahdari	4,050	6	(a) 5,138	...	9,194	14	No. 210, dated 20th July 1893.	(a) Transferred from C.
	Shekhdari... ...		Shekhdari	...	...	(b) 6,154	...	6,154	10	,, 211, do. ...	(b) do.
	Lakhara ...		Lakhara	...	...	(c) 3,179	...	3,179	5	,, 212, do. ... 20th July 1893	(c) do.
										,, 213, do. ...	Transferred from B.
			Total ...	12,211	19	14,471	...	26,682	42		
			Class B.—Grass reserves (rumnas).								
	Amraoti taluk ...		Amraoti taluk ...	7,148	12	(d) 410	(e) 246	7,912	13	,, 7, dated 10th Jan. 1894.	(d) Transferred from C.
	Chandur do. ...		Chandur do. ...	697	1	...	...	697	...	,, 316, dated 11th Oct. 1893. ,, 48, dated 12th Feb. 1894,	(e) Disforested... 24 Do. ... 222
	Morsi do. ...		Morsi do. ...	1,156	2	...	(f) 298	858	1	,, 213, dated 20th July 1893.	(f) Transferred to A.
	Murtizapur do. ...		Murtizapur do. ...	3,840	6	...	...	3,840	6		
			Total ...	13,441	21	410	544	13,507	21		

FORESTS.

ANNUAL FORM No. 46.—(PRESCRIBED.)—*Area of State-forests, 1893-94 (1st July 1893 to 30th June 1894)*—contd.

Division.	Range.	Civil district or territory.	Name of forest.	Area on 1st July 1893. Acres.	Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1894. Acres.	Equivalent in square miles.	No. and date of notification of addition or transfer, &c.	Remarks.
Amraoti—*concld.*			*Class C.—Pasture reserves.*							In *Residency Orders.*	
	Amraoti taluk ..	Amraoti district—*concld.*	Amraoti taluk ...	33,062	53	...	(g) 703	33,259	52	No. 316, dated 11th Oct. 1893,	(g) Diforested ... 145
										,, 7, dated 10th January 1894,	Transferred to B 410
										,, 48, dated 13th February 1894,	Diforested ... 145
										,, 182 dated 18th May 1894.	Do. .. 3
	Chandur taluk ...		Chandur do. ...	55,331	86	...	(h) 2	55,329	86	,, 29, dated 26th Jan. 1891.	(h) Diforested.
	Morsi do. ...		Morsi do. ...	38,371	91	...	(i) 14,193	44,378	69	Nos. 310 to 312, dated 20th July 1893,	(i) Transferred to A. 14,173
										,, 395, dated 19th Sept. 1893,	Diforested ... 8
										,, 17, dated 16th Jan. 1894.	Do. ... 12
	Murtizapur do. ...		Murtizapur do. ...	28,610	45	...	...	28,610	45		
			Total ...	176,474	275	...	14,898	161,576	252		
			Total Amraoti Division	202,120	315	14,881	15,442	201,563	315		
Akola.			*Class A.—Timber and fuel reserves.*								
	.....	Akola District.	Loni	908	1	...	...	908	1		
	.....	Do.	Bhangaon	1,380	2	...	...	1,380	2		
	Ghatbori ...	Akola, Buldana and Basim districts.	Ghatbori including Mandwa	25,829	40	...	...	25,829	40		
	Ambabarwa ...	Akola and Ellichpur districts.	Ambabarwa ...	32,301	51	(a) 956	(b) 6	33,257	52	No. 13, dated 15th Jan. 1894,	(a) Government lands newly added.
										,, 70, dated 1st Mar. 1894,	(b) Recalculation of areas.
	Morna	Akola district, Do. ...	Morna	14,985	23	...	...	14,985	23		
	Balapur ...		Balapur	25,743	40	...	...	25,743	40		
	Akola taluk ...	Do.	Akola taluk ...	...	...	(c) 3	...	3		No. 173, dated 11th April 1894,	(c) Transferred from C.
	Akot do. ...		Akot do. ...	...	...	326	...	326		Berar Secretary's No. 2771, dated 24th July 1891.	(e) (f) Included in Bhangaon in 1891-92, but erroneously again included in Notification No. 173, dated 11th April 1894.
	Balapur do. ...		Balapur do. ...	...	...	123	...	123			
	Khamgaon do. ...		Khamgaon do. ...	...	...	520	(e) (f) ... 21	508			
	Jalgaon do. ...		Jalgaon do. ...	...	...	1,318	...	1,318			
			Total ...	101,155	157	3,393	29	104,389	162		
			Class B.—Grass reserves (runnas).								
	Akola taluk ...	Do. ...	Akola taluk ...	4,874	8	(d) 10	...	4,884	8	No. 320, dated 26th Oct. 1893,	(d) Government lands newly added.
										,, 338-A., dated 15th Nov. 1893,	
										,, 142, dated 18th April 1894,	
										,, 175, dated 15th May 1894.	
	Akot do. ...	Do. ...	Akot do. ...	...	...	(e) 186	...	186	...	,, 32, dated 26th Jan. 1894.	(e) Do. do.
	Balapur do. ...	Do. ...	Balapur do. ...	98	...	..	...	98	1	,, 88, dated 15th Mar. 1894.	
	Khamgaon do. ...	Do. ...	Khamgaon do. ...	...	...	(f) 335	...	335	...	,, 180, dated 16th May 1894.	(f) Transferred from C.
			Total ...	4,972	8	531	..	5,503	9		
			Class C.—Pasture reserves.								
	Akola taluk ...	Do. ...	Akola taluk ...	38,214	60	...	(h) 42	(h) 38,172	60	,, 202, dated 17th July 1893,	(h) Diforested.
	Akot do. ...	Do. ...	Akot do. ...	6,708	11	...	(i) 338	6,430	10	,, 202, dated 17th July 1893,	(i) 11 diforested.
										,, 16, dated 16th Jan. 1894,	1 do.
										,, 173, dated 11th May 1894.	326 transferred to A.
	Balapur do. ...	Do. ...	Balapur do. ...	21,671	34	...	(j) 123	21,548	34	Do.	(j) Transferred to A.
	Khamgaon do. ...	Do. ...	Khamgaon do. ...	16,304	25	...	(k) 844	15,460	24	Do.	(k) 508 transferred to A. *vide* remark in (e) (f)
										,, 180, dated 16th May 1894.	336 transferred to B.
										,, 211, dated 9th June 1894.	1 correction of area.
	Jalgaon do. ...	Do. ...	Jalgaon do. ...	20,641	32	...	(l) 1,321	19,320	30	,, 202, dated 17th July 1893,	(l) 4 diforested.
			Total ...	103,538	162	...	2,669	100,929	156	,, 173, dated 11th May 1894.	1,318 transferred to A.
			Total Akola Division ...	209,725	327	3,794	2,698	210,821	329		

FORESTS.

ANNUAL FORM No. 46.—(PRESCRIBED).—*Area of State-forests, 1893-94 (1st July 1893 to 30th June 1894)*—contd.

Division.	Range.	Civil district or territory.	Name of forest.	Area on 1st July 1893. Acres.	Area on 1st July 1893. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1894. Acres.	Area on 30th June 1894. Equivalent in square miles.	No. and date of notification of addition or transfer, &c.	Remarks.
Buldana.		Buldana district.	*Class A.—Timber and fuel reserves.*								
	Gerumatergaon ...		Gerumatergaon ...	46,405	73	...	...	46,405	73		
	Amdari ...		Amdari ...	13,720	21	...	...	13,720	21		
			Total ...	60,125	94	...	...	60,125	94		
			Class B.—Grass reserves (runnuhs).								
	Chikli taluk ...		Chikli taluk ...	601	1	...	...	601	1		
	Mehkar do. ...		Mehkar do ...	805	1	...	...	805	1		
	Malkapur do. ...		Malkapur do ...	57	...	...	...	57	...		
			Total ...	1,523	2	...	...	1,523	2		
			Class C.—Pasture reserves.								
	Chikli taluk ...		Chikli taluk ...	75,051	117	...	...	75,051	117		
	Mehkar do. ...		Mehkar do ...	81,106	127	...	...	81,106	127		
	Malkapur do. ...		Malkapur do ...	33,932	53	...	...	33,932	53		
			Total ..	190,089	297	...	...	190,089	297		
			Total Buldana Division	251,737	393	...	...	251,737	393		
Basim.		Basim district.	*Class A.—Timber and fuel reserves.*							In *Residency Orders*	
	Penganga ...		Penganga	13,162	19	(a) 309	(a) 638	12,027	19	No. 49, dated 15th Feb. 1894.	(a) Correction of area.
			Rui	6,668	10	(b) 192	...	6,860	11	,, 50, dated 23rd Feb. 1894	(b) Transferred from D class.
			Gahuli	9,508	15	...	...	9,508	15	,, 321, dated 17th Oct. 1893.	6,701 transferred from C class.
	Kinwat ...		Kinwat	94,138	147	(c) 8,052	...	102,190	160		(c) 1,205 transferred from D class.
			Medsi	1,116	2	...	...	1,116	2		
			Mohoja	2,111	3	...	...	2,111	3	Nos. 240, dated 10th Aug. 1893, and 28-D, dated 15th Sept. 1893.	146 Government lands newly added.
			Chandus	3,016	5	...	...	3,016	5		
			Andharsangi ...	4,622	4	...	...	2,622	4		
			Total ..	131,341	205	8,747	638	130,450	219		
			Class B.—Grass reserves (runnuhs).								
	Basim taluk ...		Basim taluk ...	172	...	...	...	172	...		
	Mangrul do. ...		Mangrul do ...	150	...	...	...	150	...		
			Total ...	322	...	...	...	322	...		
			Class C.—Pasture reserves.								
	Basim taluk ...		Basim taluk ...	58,948	92	(d) 16,071	...	75,019	117	No. 60, dated 23rd Feb. 1894.	(d) 13,978 transferred from D class. 2,093 correction of area.
	Pusad do. ...		Pusad do ...	89,813	120	(e) 1,005	(f) 6,701	77,116	120	,, 210, dated 8th June 1894.	(e) Correction of area.
	Mangrul do. ...		Mangrul do ...	37,587	59	(e) 81	...	37,668	59	,, 210, dated 8th June 1894.	(f) Transferred to A class.
										,, 321, dated 17th Oct. 1893.	
			Total ...	179,947	280	17,157	6,701	189,803	296		
			Class D.—Temporary pasture reserves.								
	Basim taluk ...		Basim taluk ...	17,374	27	(g) 26	(g)17,400	...	...	No. 59, dated 23rd Feb. 1894.	(g) 26 erroneously included in 3230.
	Pusad do. ...		Pusad do. ...	118,899	186	...	(h) 6,751	112,148	175	,, 60, dated 23rd Feb. 1894.	192 transferred to A class.
	Mangrul do. ...		Mangrul do. ...	47,074	73	...	...	47,074	74	,, 128, dated 9th April 1894.	13,978 transferred to C class.
										,, 321, dated 17th Oct. 1894.	3,230 disforested.
										,, 129, dated 9th April 1894.	(h) 1,205 transferred to class.
			Total ...	183,347	286	26	24,151	159,222	249		5,546 disforested.
			Total Basim Division ..	494,357	771	25,930	31,490	488,797	764		

FORESTS.

ANNUAL FORM No. 46.—(PRESCRIBED).—*Area of State-forests, 1893-94 (1st July 1893 to 30th June 1894).*—contd.

Division.	Range.	Civil district or territory.	Name of forest.	Area on 1st July 1893. Acres.	Area on 1st July 1893. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1894. Acres.	Area on 30th June 1894. Equivalent in square miles.	No. and date of notification of addition or transfer, &c.	Remarks.
			Class A.—Timber and fuel reserves.							In Residency Orders.	
Wun.	Pathrot ..	Wun district.	Gondwakri	16,350	26	(a) 3,239	...	19,589	31	No. 137, dated 1st May 1894.	(a) Government lands newly added.
			Kharid	18,133	28	..	..	18,133	28		
			Pathrot	2,980	5	(b) 837	.	3,817	5	„ 198, dated 2nd June 1894.	(b) Transferred from C. class.
			Umbarda	1,990	3	...	...	1,990	3		
	Nidha		Anjanabeir... ...	7,634	12	...	...	7,634	12		
			Loubehel	9,187	14	..	..	9,187	14		
			Dabhdi	7,788	12	...	...	7,788	12		
			Nidha	10,605	17	...	...	10,605	17		
	Kelapur ...		Kelapur	41,550	65	(c) 719	...	42,269	66	„ 52, dated 20th Feb. 1894.	(c) Transferred from D. class.
			Ghordara	3,941	6	...	..	3,941	6		
			Pardi	...	...	(d) 1,731	...	1,731	3	„ 238, dated 22nd Aug. 1894.	(d) 1,543 transferred from D. class.
											189 Government lands newly added.
	Tiosala		Tiosala	4,873	8	...	...	4,873	8	Nos. 259 and 300, dated 22nd Aug. and 2nd Oct. 1893.	
			Phiski	2,382	4	...	...	2,382	4		
			Bhiwahund... ...	3,433	5	...	...	3,433	7		
			Pownar	3,934	6	....	....	3,934	6		
			Total ...	134,740	211	6,026	...	1,40,773	220		
			Class B.—Grass reserves (runnas).								
	Yeotmal taluk ...		Yeotmal taluk ...	1,406	2	...	...	1,406	2		
	Darwa do ...		Darwa do ...	1,632	2	...	...	1,632	2		
	Kelapur do ...		Kelapur do ...	3,626	6	...	...	3,626	6		
	Wun do ...		Wun do ...	10,048	16	...	...	10,048	16		
			Total ...	16,712	26	...	...	16,712	26		
			Class C.—Pasture reserves.								
	Yeotmal taluk ...		Yeotmal taluk I ...	61,978	96	(a) 840	(b) 1,548	61,270	90	No. 207, dated 9th Aug. 1894,	(a) 34 Palki numbers, made State-forests,
										„ 204, dated 17th July 1893,	357 transferred from D. class.
										„ 321-A , dated 16th Oct. '93,	412 Government lands newly added,
										„ 237, dated 13th July 1893.	37 correction of areas.
										Do.	(b) Correction of areas.
	Darwa do ...		Darwa do I ..	139,101	202	(c) 173	(d) 419	138,915	201	„ 197, dated 1st June 1894,	(c) 81 Government lands newly added,
										„ 237 dated 9th Aug. 1894,	92 Palki numbers made State-forest,
										„ 227, dated 31st July 1894.	(d) 82 Correction of area.
										„ 198, dated 2nd June 1894.	337 Transferred to A. class,
	Kelapur do ...		Kelapur do I ...	72,672	114	(e) 3,447	(f) 1,133	74,986	117	„ 54, dated 20th Feb. 1894,	(e) Transferred from D. class.
										„ 227, dated 31st July 1894.	(f) Correction of area.
										„ 53, dated 20th Feb. 1894.	(g) 643 correction of area.
	Wun do ...		Wun do I ...	74,318	116	(g) 9,604	(h) 33	83,889	131	„ 227, dated 31st July 1893.	8,961 transferred from D class.
											(h) Correction of area.
			Total ...	338,129	528	14,064	3,133	340,060	545		
			Class D.—Temporary Pasture reserves.								
	Yeotmal taluk ...		Yeotmal taluk ...	860	1	...	(i) 860	...	...	„ 204, dated 17th July 1893.	(i) 357 transferred to C. class.
										„ 275, dated 8th Sept. 1893.	503 disforested.
	Darwa do ...		Darwa do ...	457	1	...	(j) 457	...	...	„ 116, dated 2nd Apl. 1894.	(j) Disforested.
	Kelapur do ...		Kelapur do ...	8,777	14	(k) 119	(l) 8,896	...	...	„ 52, dated 20th Feb. 1894.	(k) Correction of area on re-survey.
	Wun do ...		Wun do ...	18,928	30	...	(m) 18,928	...	...	„ 258, dated 22nd Aug. 1893.	(l) 719 transferred to A class.
										„ 54, dated 20th Feb. 1894.	1,542 Do.
										„ 116, dated 2nd April 1894.	3,447 transferred to C. class.
			Total .	29,022	46	119	29,141	...	...	„ 53, dated 20th Feb. 1894.	3,188 disforested.
										„ 316, dated 23rd Aug. 1894.	(m) 8,961 transferred to C. class.
											9,320 disforested.
											647 correction of area on re-survey.
			Total Wun Division ...	518,612	811	20,209	32,274	506,547	791		
			Grand Total ..	2,710,944	4,233	627,002	676,891	2,661,325	4,157		

NOTE.—The discrepancy of one square mile in the grand total is due to the fractions in the divisional totals.

FORESTS.

ANNUAL FORM No. 46.—(PRESCRIBED).—*Abstract area of State-forests on the 30th of June 1894.*

Division.	Taluks.	A class.		B class.		C class. I.		C class. II.		C class. III.		C class. Total.		D class.		Total.		Remarks.
		Acres.	Sq. m.	Acres.	Sq. m.	Acres.	Sq. m.	Acres.	Sq. m.	Acres.	Sq. m.	Acres.	Sq. m.	Acres.	Sq. m.	Acres.	Sq. m.	
Ellichpur ...	Ellichpur ...	...	...	95	...	18,751	30	9,814	15	...	...	28,565	45	...	...	28,660	45	
	Duriapur ...	...	...	...	...	2,886	4	5,657	9	...	...	8,523	13	...	...	8,523	13	
	Melghat ...	475,968	743	3,592	6	...	...	...	...	485,115	758	485,115	758	...	...	964,675	1,507	
		475,968	743	3,687	6	21,617	34	15,471	24	485,115	758	522,203	816	...	...	1,001,858	1,565	
Amraoti ...	Amraoti ...	1,237	2	7,912	13	21,396	33	11,953	19	...	...	33,359	52	...	...	42,424	67	
	Chandur ...	6,886	11	697	1	31,365	49	23,963	38	...	...	55,329	87	...	...	62,924	99	
	Morsi ...	18,527	29	858	1	44,378	69	...	...	...	...	44,378	69	...	...	63,763	99	
	Murtizapur ...	...	...	3,840	6	12,146	19	16,464	25	...	...	28,610	44	...	...	32,450	50	
		26,692	42	13,307	21	109,196	170	53,380	82	...	...	161,576	252	...	...	201,565	315	
Akola ...	Melghat ...	21,276	33	...	...	...	...	...	...	...	...	...	...	...	...	21,276	33	
	Akola ...	15,468	24	4,884	8	27,618	43	10,559	17	...	...	38,172	60	...	...	58,524	92	
	Akot ...	326	...	186	...	2,006	3	4,424	7	...	...	6,430	10	...	...	6,942	10	
	Khamgaon ...	1,997	3	335	...	8,065	13	7,395	11	...	...	15,460	24	...	...	17,692	27	
	Balapur ...	43,337	68	98	1	6,502	10	15,046	23	...	...	21,548	33	...	...	64,983	102	
	Jalgaon ...	13,299	21	...	...	12,711	20	6,608	11	...	...	19,319	31	...	...	32,618	52	
	Basim ...	1,065	1	...	...	...	...	...	...	...	...	...	...	...	...	1,065	1	
	Mehkar ...	7,721	12	...	...	...	...	...	...	...	...	...	...	...	...	7,721	12	
		104,389	162	5,503	9	56,897	89	44,032	69	...	...	100,929	158	...	...	210,821	329	
Buldana ...	Chikli ...	51,274	80	661	1	52,493	82	22,628	35	...	...	75,051	117	...	...	126,986	198	
	Mehkar ...	...	...	905	1	38,568	60	42,548	66	...	...	81,106	126	...	...	81,911	127	
	Malkapur ...	8,851	14	57	...	22,723	36	11,209	18	...	...	33,932	54	...	...	42,840	68	
		60,125	94	1,623	2	113,704	178	76,385	119	...	...	190,089	297	...	...	251,737	393	
Basim ...	Basim ...	7,792	12	172	...	16,008	25	59,011	92	...	...	75,019	117	...	...	82,973	129	
	Pusad ...	119,533	187	...	...	...	...	77,116	120	...	...	77,116	120	212,148	175	308,797	482	
	Mangrul ...	11,032	18	150	...	6,936	11	30,732	48	...	...	37,668	59	47,074	74	95,944	151	
	Balapur ...	1,083	2	...	...	...	...	...	...	...	...	...	...	...	...	1,083	2	
		139,450	219	322	...	22,944	36	166,859	260	...	...	189,803	296	259,222	249	488,797	764	
Wun ...	Yeotmal ...	57,731	59	1,406	2	61,270	96	...	...	...	...	61,270	96	...	...	100,407	157	
	Darwa ...	29,916	47	1,632	2	128,915	201	...	...	...	...	128,915	201	...	...	160,463	250	
	Kelapur ...	58,546	91	3,625	6	74,986	117	...	...	...	...	74,986	117	...	...	137,158	214	
	Wun ...	14,582	23	10,048	16	83,889	131	...	...	...	...	83,889	131	...	...	108,519	170	
		140,775	220	16,712	26	349,060	545	...	...	...	...	349,060	545	...	...	506,547	791	
	Grand Total ...	947,389	1,480	41,054	64	673,418	1,052	355,127	554	485,115	758	1,513,660	2,364	159,222	249	2,661,325	4,157	

FORESTS.

ANNUAL FORM No. 46.—(PRESCRIBED).—*Abstract area of State-forests on the 30th of June 1894.*

District.	Taluks.	A class.		B class.		C class.								D class.		Total.		Remarks.
		I.		II.		III.		Total.										
		Acres.	Sq. m.	Acres.	Sq. m.	Acres.	Sq. m.	Acres.	Sq. m.	Acres.	Sq. m.	Acres.	Sq. m.	Acres.	Sq. m.	Acres.	Sq. m.	
Ellichpur ...	Ellichpur ...	...	...	95	...	18,751	29	9,814	15	...	...	28,565	45	...	...	28,660	45	
	Dariapur ...	...	...	...	...	2,866	4	5,657	9	...	...	8,523	13	...	...	8,523	13	
	Melghat ...	497,244	777	3,592	6	...	...	...	...	485,115	758	485,115	758	...	...	985,951	1,541	
		497,244	777	3,687	6	21,617	34	15,471	24	485,115	758	522,203	816	...	...	1,023,134	1,599	
Amraoti ...	Amraoti ...	1,257	2	7,912	13	21,306	33	11,953	19	...	...	33,259	52	...	...	42,428	67	
	Chandur ...	6,998	11	697	1	31,386	49	23,963	38	...	...	55,329	87	...	...	62,224	98	
	Morsi ...	18,527	29	856	1	44,378	69	...	...	...	...	44,378	69	...	...	63,708	99	
	Murtizapur ...	...	...	3,840	6	12,146	19	16,464	25	...	...	28,610	44	...	...	32,450	50	
		26,682	42	13,307	21	109,196	170	52,380	82	...	...	161,876	252	...	...	201,565	315	
Akola ...	Akola ...	15,468	24	4,884	8	27,613	43	10,559	17	...	...	38,172	60	...	...	58,524	92	
	Akot ...	326	...	196	...	2,906	5	4,424	7	...	...	6,430	10	...	...	6,942	10	
	Khamgaon ...	1,897	3	335	...	8,085	13	7,395	11	...	...	15,480	24	...	...	17,692	27	
	Balapur ...	44,420	69	98	1	6,502	10	13,946	28	...	...	21,548	33	...	...	66,066	103	
	Jalgaon ...	13,299	21	...	...	12,711	20	6,608	11	...	...	19,319	31	...	...	32,618	52	
		75,410	117	5,503	9	56,897	89	44,032	69	...	...	100,929	158	...	...	181,842	284	
Buldana ...	Chikli ...	51,274	80	661	1	52,423	82	32,628	35	...	...	75,051	117	...	...	126,325	198	
	Mehkar ...	7,721	12	905	1	39,556	60	42,348	66	...	...	81,106	126	...	...	89,832	139	
	Malgapur ...	8,851	14	57	...	22,723	36	11,209	18	...	...	34,032	54	...	...	42,940	68	
		67,846	106	1,623	2	113,704	178	76,285	119	...	...	190,089	297	...	...	258,458	405	
Basim ...	Basim ...	8,847	13	172	...	16,008	25	59,011	92	...	...	75,019	117	...	...	84,038	130	
	Pusad ...	119,583	187	...	...	...	...	77,116	120	...	...	77,116	120	112,149	175	308,797	482	
	Mangurl ...	11,052	18	150	...	6,936	11	30,732	48	...	...	37,668	59	47,974	74	96,944	151	
		139,432	218	322	...	22,944	36	166,859	260	...	...	189,803	296	159,222	249	489,779	763	
Wun ...	Yeotmal ...	37,731	59	1,406	2	61,270	96	...	...	...	...	61,270	96	...	...	100,407	157	
	Darwa ...	29,916	47	1,632	2	128,915	201	...	...	...	...	128,915	201	...	...	160,463	250	
	Kelapur ...	58,548	91	3,626	6	74,986	117	...	...	...	...	74,986	117	...	...	137,158	214	
	Wun ...	14,582	23	10,048	16	83,389	131	...	...	...	...	83,389	131	...	...	108,519	170	
		140,775	220	16,712	26	349,060	545	...	...	...	...	349,060	545	...	...	508,547	791	
	Grand Total ...	947,389	1,480	41,054	64	673,418	1,052	355,127	554	485,115	758	1,513,660	2,364	159,222	249	2,661,325	4,157	

FORESTS.

ANNUAL FORM No. 48.—*Record of demarcation and maintenance of boundaries, 1893-94, Forest year.*

Division.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.		Remarks.
								On new work.	On repairs.	
1	2	3	4	5	6	7	8	9	10	11
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.	
ELLICHPUR.										
State Forest, Class A.										
Bairagarh. Old area	...	20	82	(a) 102	...	47	149	...	38	(a) The reduction of length of old boundary is due to portions being abandoned on the boundaries of Biba Gana and Silona new blocks being laid down.
Bairagarh. Additional area ...	55	...	...	55	...	14	69	572	...	
Bairagarh. Demarcating Forest village areas and erecting field boundary marks	No. 4,643	...	...	No. 4,643	...	...	No. 4,643	852	...	
Gugrumal. Old area	...	22	...	22	...	26	48	...	3	
Gugrumal. Additional area ...	45	...	...	45	...	...	45	284	...	
Gugrumal. Demarcating Forest village areas and erecting field boundary marks	No. 1,024	...	...	No. 1,024	...	...	No. 1,024	66	...	
Chikalda. Old area	...	...	36	36	...	17	53	...	...	
Chikalda. Additional area ...	8	...	...	8	...	3	11	195	...	
Chikalda. Demarcating Forest village areas and erecting field boundary marks	No. 840	...	...	No. 840	...	...	No. 840	571	...	
Kohana	15	...	...	15	...	...	15	129	...	
State Forest, Class B.										
			F.B.M. No.	F.B.M. No.			F.B.M. No.			
Ellichpur taluk ...	...	...	24	24	...	...	24	...	...	
Melghat taluk, Hathighat.	...	...	45	45	...	...	45	...	...	
State Forest Class C.-I.										
			F.B.M. No.	F.B.M. No.			F.B.M. No.			
Ellichpur taluk ...	...	...	1,848	1,848	...	...	1,848	...	...	
		F.B.M. No								
Dariapur taluk ...	...	346	...	346	...	...	346	...	69	
Total...	123	42	118	283	...	107	390	2,669	101	= Rs. 2,770.
	F.B.M. No. 6,507	346	1,917	8,770	...	...	8,770			
AMRAOTI.										
State Forest, Class A.										
Chirodi	...	(b) 23	...	23	...	...	23	84	...	(b) Change due to recalculation of length.
Mehdari	30	...	...	30	...	...	30	182	...	
Shekhdari	40	...	...	40	...	...	40	407	...	
Lakhara	21	...	...	21	...	...	21	44	...	
State Forest, Class B.										
Amraoti hills range ...	...	(c) 8	...	8	...	...	8	...	24	(c) Length of boundary given as it is demarcated by a cut line and stone-pillars.
Murtizapur taluk ...	...	18	...	18	...	...	18	...	79	
			F.B.M. No.	F.B.M. No.			F.B.M. No.			
Amraoti do. ...	...	...	91	91	...	...	91	...	...	
Chandur do. ...	...	...	121	121	...	...	121	...	...	
		F.B.M. No.								
Murtizapur do. ...	...	76	265	341	...	...	341	...	...	
Morsi do. ...	...	60	75	135	...	...	135	...	...	
State Forests, Class C.-I.										
Amraoti hills range ...	...	...	3,874	3,874	...	...	3,874	...	...	
Amraoti taluk ...	...	...	3,759	3,759	...	...	3,759	...	...	
Chandur do. ...	...	...	6,418	6,418	...	...	6,418	...	...	
Murtizapur do. ...	...	322	5,887	6,209	...	...	6,209	...	50	
Morsi do. ...	...	305	12,815	13,120	...	...	13,120	...	...	
Total...	91	49	...	140	...	...	140	717	198	= Rs. 915.
	...	F.B.M. No. 763	3,3305	34,068	...	...	34,068			
AKOLA.										
State Forest, Class A.										
Ghat-bori	...	66	...	66	...	10	76	5	69	
Amba Barwa ...	...	36	...	36	...	8	44	123	...	
		F.B.M. No.	F.B.M. No.	F.B.M. No.			F.B.M. No.			
Loni and Bhongaon ...	...	265	10	275	...	...	275	...	17	
Balapur	...	157	1,733	1,890	...	...	1,890	...	20	
Morna	...	170	618	788	...	...	788	...	21	
State Forest, Class B.										
Akola taluk	...	70	230	300	...	...	300	...	9	
Balapur do ...	...	3	...	3	...	...	3	...	...	
State Forest, Class C.-I.										
Akola taluk	...	...	6,334	6,334	...	..	6,334	...	...	
Balapur do.	...	...	2,745	2,745	...	...	2,745	...	...	
Khamgaon taluk ...	...	100	1,787	1,887	...	...	1,887	...	7	
Jalgaon do. ...	...	200	1,613	1,813	...	...	1,813	...	17	
Akot	...	142	1,552	1,694	...	...	1,694	...	10	
Total...	...	102	...	102	...	18	120	128	170	= Rs. 298.
	...	F.B.M. No. 1,107	16,622	17,729	...	...	17,729			

FORESTS.

ANNUAL FORM No. 48.—*Record of demarcation and maintenance of boundaries, 1893-94.—Forest year.* concld.

Divisions.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.		Remarks.
								On new work.	On repairs.	
1	2	3	4	5	6	7	8	9	10	11
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.	
BULDANA.										
State-Forest, Class A.										
Gerumatergaon ...	...	39	...	39	...	8	47	...	21	
Amdari ...	...	47	...	47	...	...	47	...	81	
State-Forest, Class B.	F.B.M No.			F.B.M.No.			F B.M.No.			
Malkapur taluk ...	32	...	...	32	...	...	32	...	1	
Mehkar do ...	138	...	...	138	...	...	138	...	3	
State-Forest, Class C.-I.										
Malkapur taluk ...	3,334	...	...	3,334	...	...	3,334	1	1	
Chikhli do ...	10,428	...	...	10,428	...	...	10,428	...	3	
Mehkar do ...	...	F.B.M.No. 5,304	1,930	7,404	...	...	7,404	...	2	
Total ...	{ ...	86	...	86	...	8	94	} 1	110	= Rs. 111
	{ 13,932	5,304	1,930	21,426	...	...	21,426			
BASIM.										
State-Forest, Class A.										
Kinwat	15	20	...	35	...	37	(e) 72	168	40	(e) Change owing to the new boundary.
Penganga	...	30	..	30	...	...	30	...	28	
Rui	...	28	...	28	...	...	28	...	43	
Gahuli	..	15	...	15	...	...	15	..	...	
Chandas	...	9	...	9	...	...	9	...	9	
Medsi	...	6	...	6	...	...	6	...	6	
Mohoja	...	10	...	10	...	...	10	...	41	
Andharsangi ...	...	10	...	10	...	...	10	...	6	
State-Forest, Class B.	F.B.M No.			F.B.M.No.			F.B.M.No.			
Basim taluk	30	...	...	30	...	...	30	..	...	
Pusad do	...	...	...	...	...	...	...	...	...	Pending settlement.
Mangrul do	...	...	23	23	...	...	23	...	...	
State-Forest, Class C.-I.		F.B.M.No.		F.B.M.No.			F.B.M.No.			
Basim taluk	...	1,649	...	1,649	...	...	1,84	...	13	
Pusad do	...	...	...	...	...	...	...	...	...	Pending settlement.
Mangrul do	...	...	407	407	...	...	407	...	...	do.
Total ...	{ 15	128	...	143	...	37	180	} 168	185	= Rs. 353.
	{ 30	1,649	430	2,109	...	...	2,109			
WUN.										
State-Forest, Class A.										
Gondwakri	...	...	35	35	8	...	43	...	1	
Kharid	10	..	38	48	...	...	48	80	...	
Pathrot	...	...	15	15	1	2	18	...	...	
Ambarde	...	...	7	7	...	...	7	...	...	
Lonbehel	..	...	27	27	...	...	27	...	...	
Anjankhed	...	...	23	23	..	...	31	...	...	
Dabhdi	...	...	22	22	...	1	23	...	...	
Nidha	...	...	23	23	...	4	27	...	...	
Kelapur	...	...	66	66	3	2	71	...	...	
Ghordara	...	...	12	12	...	...	12	...	...	
Tiwsala	...	...	19	19	...	...	19	...	...	
Phiski	...	...	9	9	...	...	9	...	...	
Bhiokund	...	...	10	10	...	...	10	...	...	
Paonar	...	...	11	11	...	...	11	...	...	
Pardi	...	...	...	...	/	...	7	...	...	
State-Forest, Class B.			F.B.M.No.	F.B.M.No.			F B.M.No.			
Darwa taluk... ...	...	..	147	147	...	..	147	...	...	
Yeotmal do	...	...	50	50	..	...	50	86	...	
Kelakur do	...	...	86	86	...	...	86	...	6	
Wun do ...	...	...	343	343	...	...	343	...	...	
State-Forest Class, C. I.										
Darwa taluk	...	...	21,068	21,068	..	...	21,068	...	...	
Yeotmal do	...	...	7,706	7,706	...	...	7,706	...	...	
Kelapur do	...	...	7,778	7,778	...	...	7,778	...	...	
Wun do	...	...	5,766	5,766	...	...	5,766	...	...	
Total ...	{ 10	...	317	327	19	9	355	} 166	7	= Rs. 173.
	{ ...	...	43,544	43,544	...	...	43,544			
Grand Total...	M 239 / F.B.M.No. 20,469	M 407 / F.B.M.No. 9,429	M 435 / F.B.M.No. 97,748	M 1,081 / F.B.M.No. 127,646	M 19 / F.B.M.No. ...	M 179 / F.B.M.No. ...	M 1,279 / F.B.M.No. 127,646	} 3,849	771	= Rs. 4,620.

NOTE.—F.B M.=Field boundary marks.

FORESTS.

ANNUAL FORM No. 49.—*Statement of forest areas surveyed and under survey during the year 1893-94.—Forest year.*

Areas surveyed and under survey during the year.

Division.	Special surveys—Maps on 4" scale or over by Survey of India Department or Forest Survey Branch.					Ordinary included in District Surveys.										Chain and compass or other surveys by local officers.								Areas remaining to be taken under survey. A. class.	Total forest area at end of the year, as per Form No. 46 all classes.	Cost.			Remarks.
	With interior details.					Boundary surveys.			With interior details.					Boundary surveys.			With interior details.					Boundary surveys.							
	With details of growing stock.		Without details of growing stock.		Total cost.	Previous.	Of the year.	Total cost.	With details of growing stock.		Without details of growing stock.		Total cost.	Previous.	Of the year. C. class.	Total cost.	4" or over.		Under 4"		Total cost.	Previous.	Of the year. C. class.	Total cost.			Previous.	Of the year.	Entire cost of all surveys to end of the year.	
	Previous.	Of the year.	Previous.	Of the year.					Previous.	Of the year.	Previous.	Of the year.					Previous.	Of the year.	Previous.	Of the year.									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	Sq.ms.	Sq.ms.	Sq.ms.	Sq.ms.	Rs.	Sq.ms.	Sq.ms.	Rs.	Sq.ms.	Sq.ms.	Sq.ms.	Sq.ms.	Rs.	Sq.ms.	Sq.ms.	Rs.	Sq.ms.	Sq.ms.	Sq.ms.	Sq.ms.	Rs.	Sq.ms.	Sq.ms.	Rs.	Sq.ms.	Sq.ms.	Rs.	Rs.	Rs.	
Ellichpur ...	A. & C. classes 1,501* 2" & 4"	...	...	...	2,12,415	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	1,565	2,12,415	...	2,12,415	
Amraoti ...	...	...	...	...	...	...	...	...	...	...	..	...	...	..	...	...	...	...	...	...	...	...	...	...	...	42	315	...	...	
Akola ...	A. class 52*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	110	329	...	...	
Buldana ...	A. class 73 4" scale	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	1	1	21	393	359	1	360	
Basim ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	219	764	...	...	...	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	220	791	...	...	...	

* Recalculation of areas of the Melghat taluk.

Besides the charge shown in this form, the following charges were debited to the head "Surveys.":

Direction Division—			Rs.
Preparation of 1" forest taluk map	...	...	629
Akola Division—			
Survey of part No. &c.	...	...	,, 74
Preparation and publication of 8" map	...	...	,, 438
Buldana Division —			
Miscellaneous ...	...	...	,, 1
		Total	... 1,142

Thus making up the total charges to Rs. 1,142 as given in Form 61.

FORESTS.

ANNUAL FORM No. 50.—*Progress made in Working Plans, 1893-94.—Forest year.*

Division.	Areas for which working plans have been completed.		Areas for which working plans are being compiled.		Areas for which working plans have still to be taken in hand.	Total forest area, as in Form No. 46.	Entire cost per square mile, of working plans completed.	Remarks.
	At commencement of the year.	During the year.	At commencement of the year.	Taken in hand during the year.				
1	2	3	4	5	6	7	8	9
Ellichpur ...	Square miles. ...	Square miles. ...	Square miles. Bairagarh ...425 Gugumal ...180	Square miles. Bairagarh ... 40 Gugamal ... 57 Melghat C-iii .. 758	Square miles. Chikalda .. 35 Kohana ... 6 B forests ... 6 C-i and ii forests 58	Square miles. 1,565	Rs. ...	NOTE.—With the following exceptions there were no special charges, so the cost per mile is not given.
Amraoti ...	...	C. Babul tract ... 4	Chirodi ... 13 Babul tracts ... 8 Amraoti hills ... 43	Mehdari ... 14 Shekdari ... 10 Lakhara ... 5 B. forests ... 4 C forests ... 74	B forests ... 6 C forests ...129	315	...	Rs. 10 were charged.
Akola ...	Loni ... 1 Bhongaon . 2 Babul tracts 4	Borgaon B. ... 2	...	...	Ghatbori .. 40 Amba Barwa ... 52 Morna ... 23 Balapur ... 40 C forests ...158 B forests ... 7	329	...	
Buldana ...	C forests . 295	...	Geru . 73 Amdari ... 21	C forests ... 2	B forests ... 2	393	...	
Basim ...	Basim taluk C forests ... 92	Penganga .. 19	Medsi ... 2 Chandas ... 5 Andhari ... 4	(i) Kinwat ...160	Basim taluk ... ... C forests ... 25 Rui ... 11 Gahuli ... 15 Mohoja ... 3 C and D forests. 425	764	...	Rs. 10 were charged. (i) Transferred to this column for revision owing to additions in area.
Wun ..	C forests .. 528 Pathrot ... 5	...	...	C forests ... 17	Gondwakri ... 31 Kharad ... 28 Umberdi ... 3 Anjankhed ... 12 Lonbehel ... 14 Dabhdi ... 12 Nidha ... 17 Kelapur ... 66 Ghordara ... 6 Pardi ... 3 Tiwsala .. 8 Phiski ... 4 Bhiskund ... 5 Pownar ... 6 B forests ... 26	791	...	Rs. 40 were charged.

FORESTS.

ANNUAL FORM No. 51.—*Communications and Buildings during the year 1893-94—(Forest year).*

Division.	New work undertaken during the year.						Repairs executed during the year.						Remarks.
	Buildings.		Roads and paths.			Total expenditure on new work.	Buildings.		Roads and paths.			Total expenditure on repairs.	
	Description of building	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.		Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Rest-houses.	Rs.	*Roads.*	Miles.	Rs.	Rs.	*Rest-houses.*	Rs. a. p.	*Roads and paths.*	Miles.	Rs. a. p.	Rs.	
	Butrum	2,000	Kasod Dhargarh (2nd and 3rd section) ...	7	5,802		Makhla	16 0 0	Sembadoh-Biba ...	35	520 2 0		
	Koktu	1,900	Koktu Gurgapati (remaining part) ...	4½	637		Hatru	114 4 0	Sembadoh-Makhla ...	7	102 0 0		
	Guards' huts (thanas).		Gurgapati Bori (remaining part) ..	2½	2,118		Kolkaz	24 0 0	Sembadoh-Chikalda ...	17	229 11 0		
	Kolkaz	25	Bori Dhargrh ...	4½	1,768		Raipur	112 5 0	Raipur-Palia ...	18	239 12 0		
	Kohana	15	Selu Tarubanda ...	5	2,046		Jarida	99 3 6	Makhla-Biba ...	25	382 12 0		
	Kanheri	5	Tarubanda Kandri ...	3	1,929		Chaorakund ..	21 4 0	Raipur-Jarida ...	16	208 8 0		
	Bairat	50					Chopan (temporary) ...	116 8 6	Pili-Kolkaz ...	5	75 0 0		
							Rajadop do ...	28 6 0	Chaorakund-Butrum...	12	1,993 0 0		
							Dhakna	7 14 0	Rangobeli-Chopan ...	9	105 3 0		
							Rangrao Churni ...	6 15 0	Kuapti-Mangia ...	6½	88 10 0		
							Patulda	7 14 0	Mahur-Dasipati ...	7	104 9 0		
							Conservator's bungalow	933 8 6	Hatru-Butrum ...	8	115 6 0		
							Peach grove ...	352 0 6	Chunkheri-Karimal ...	3	41 8 0		
							Forest office ...	209 0 6	Dasipati-Kalamkhar ...	24	210 12 0		
									Kuapti-Bichukhera ..	11	190 3 0		
							Guards' huts (thanas).		Jamboo-Chopan ...	8	100 0 0		
									Chikalda-Bandum ...	35	291 4 0		
							Makhla	4 0 0	Kund-Sakri ..	5	61 14 0		
							Raipur	5 0 0	Rangrao-Churni Koha.	5	101 6 0		
							Pili	4 0 0	Koha-Bunam ...	6½	84 2 0		
							Awagarh... ...	11 6 0	Rangraochurni-Dasipa-				
							Harisal	7 0 0	ti	12	148 0 0		
							Hatru	19 12 0	Kasod-Dargarh 1st sec-				
							Rangobeli ...	6 0 0	tion	4	40 0 0		
							Patia	6 0 0	Chipi-Koktu ...	4	120 12 0		
							Biba	10 14 0	Chikalda-Dhamangaon.	14	738 13 5		
							Somitha	10 12 0	Station roads ...	1	281 5 6		
							Ambadoh ...	4 0 0	Karas roads ...	50	318 10 9		
pur.							Sembadoh ...	85 12 0	Roads leading to Hathi-				

						Kolkaz	5 0 0	ghat grass reserve ...	3	12 0 0	
						Chaorakund ...	12 0 0	Foot paths ...	52	165 18 0	
						Borda	11 8 0				
						Jarida	11 6 0				
						Raipur, shed for tools..	5 0 0				
						Sembadoh cattle pound	8 7 0				
						Rajadoh	3 0 0				
						Chopan	3 0 0				
						Lakhewara ..	5 0 0				
						Dhakna	4 8 0				
						Patulda	4 14 0				
						Tarubanda ...	4 8 0				
						Kopa	4 11 0				
						Chiladari ...	4 2 0				
						Bairat	3 15 0				
						Dolar	3 15 0				
						Bori	4 2 0				
						Rangrao Churni ...	4 8 0				
						Asalwara	3 15 0				
						Revenue Depôts (nakas).					
						Jhiree	11 1 0				
						Dhamangaon ...	5 3 6				
						Deogaon	5 1 0				
						Khurpi	5 1 0				
						Kasod	10 13 0				
						Wagdoh... ...	36 9 6				
						Bairum	16 7 6				
						Wagholi	19 9 0				
						Kalamkhar ...	7 1 0				
						Khirkhera ...	40 1 0				
						Ambadi	48 1 0				
						Chincholia ...	11 9 0				
						Malhara	25 2 0				
						Kajaldoh... ...	22 1 0				
						Suserda	10 1 0				
						Pingli	11 5 0				
						Popatkhera ..	11 7 0				
						Borala or Upadkhora...	5 1 0				
						Pay of office guards ...	69 0 0				
Total Ellichpur Division.	3,995	...	26½	14,300	18,295	...	2,651 0 0	...	403	5,277 0 0	7,928

ANNUAL FORM NO. 51—*Communications and Buildings during the year 1893-94*—(*forest year*)—continued.

Division.	New work undertaken during the year.						Repairs executed during the year.						Remarks.
	Buildings.		Roads and paths.			Total expenditure on new work.	Buildings.		Roads and paths.			Total expenditure on repair.	
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.		Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Rs.		Miles.	Rs. a. p.	Rs.		Rs. a. p.		Miles.	Rs. p. a.	Rs.	
Amraoti.	*Forest quarters.*						*Rest-houses.*		*Roads, general, repairs.*				
	Pohra (permanent) ...	328					Conservator's rest-house	22 0 0	Wadali-Pohra road ...	8	607 0 0		
	Guards' huts (thanas).						Pohra, repairs to roof...	125 0 0	Chirodi cart tracts ...	20	62 0 0		
	Lingi	42					*Guards' huts (thanas).*		Mehdari ,,	16	18 0 0		
	Jamgaon... ...	42					Bhankeda, petty ...	6 0 0					
	Shekdari... ...	42					Stock-room at Pohrado	3 0 0					
	Rawale	42					Mehdari, petty ...	12 0 0					
	Oomerkhed ...	42					Pay of office and rest-house guards.	117 0 0					
	Total Amraoti Division	538	...	...	...	538	...	285 0 0	...	44	687 0 0	972	
Akola.	*Rest-house.*		*For extraction of forest produce.*				*General repairs to rest-house.*		*General repairs to country roads.*				
	With out offices, Chikalwal	1,538	Cutting new ghat road from Patsingi to Iswi.	R.ft. 1,400	132 10 9		Taroda	5 15 0	Ghatbori reserve ...	21	36 0 0		
	Out-houses, Taroda ...	160	Cart road to Chikalwal rest-house.	R.ft. 700	96 14 0		*Guards' hut.*		Loni reserve ...	4½	5 10 0		
	Foresters' thana, Wasali	150					Sonala	6 0 0	Bhongaon reserve ...	10½	7 5 0		
	Guards' huts.						Pimpri Dhangar ...	6 0 0	Ambabarwa ,, ...	7	55 5 0		
	Kalapani... ...	15					Sawargaon ...	6 0 0	Making side drains to road to Chikalwal rest-house	...	3 0 0		
	Chunkhadi ...	20					Pandhurna ...	6 0 0					
	Anar	20					Batchwadi ...	6 0 0					
							Wagdeo... ...	6 0 0					
							Iswi	6 0 0					

Ak	Saikhed	20					Pay of office guards, &c.	83 0 0					
	Ambabarwa ...	20											
	Total Akola Division...	1,943	...	R. ft. 2,100	230	2,173	...	131 0 0	...	43	107 0 0		238
Buldana.	*Rest-house.*						*Guards' huts (thanas).*		Khamgaon road, passing through the reserve...	7¼	1,529 0 0		
	Warwand ...	900					Khamkheir, thatching..	1,200 0 0					
							Kurha, thatching ...	12 0 0					
							Girdah „ ...	12 0 0					
							Pay of office guard ...	72 0 0					
	Total Buldana Division	900	...	...	...	900	...	108 0 0	...	7¼	1,529 0 0		1,637
Basim.	*Rest-house.*						*Guards' huts (thanas).*		*General Repairs.*				
	Sondabi (partly constructed) ...	511					Sondabi, doors to rangers' quarters ...	55 0 0	Sondabhi Kharbi ..				
							Ordinary repairs to—		Do. Bori ...				
	Guards' huts (thanas).								Do. Jewli ...				
							Nandura ...		Do. Morchaoli ...	39	60 0 0		
	Bori	50					Marwari ...	20 0 0	Kharbi Darati ...				
	Bitargaon ...	50					Hivalni ...		Darati Korat ...				
	Mohoja... ...	42					Satarmal ...		Koral Jamb ..				
							Ordinary repairs to—		Jewli-Bitargaon ..				
							Wanoja ...		Marwadi Pandhurna ...				
							Janoona ...	15 0 0	Do. Satarmal ...	7	20 0 0		
							Rui ...		Do. Nandura ...				
							Medsi, petty repairs ...	5 0 0	Nandura Satarmal ...				
							Chandas	5 0 0	Janoona Hivalni ...				
							Andharsawangi ...	5 0 0	Kinhi Rui ...	3	10 0 0		
							Gahuli	5 0 0	Janoona Pimpalsenda..	1½			
							Jamni	5 0 0	Medsi Charmuli ...	1	5 0 0		
							Pay of office guard ...	72 0 0					
	Total Basim Division...	653	...	...	...	653	...	187 0 0	...	51½	95 0 0		282
Wnn.	*Rest-house.*						*Rest-houses.*						
	Sunna (completed) ...	201	...				Pathroat... ...	6 0 0					

ANNUAL FORM No. 51.—*Communications and Buildings during the year 1893-94*—(*forest year*)—concluded.

Division.	New work undertaken during the year.						Repairs executed during the year.						Remarks.
	Buildings.		Roads and paths.			Total expenditure on new work.	Buildings.		Roads and paths.			Total expenditure on repairs.	
	Description of buildings.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.		Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Rs.		Miles.	Rs. a. p.	Rs.		Rs. a. p.		Miles.	Rs. a. p.	Rs.	
Wun—*contd.*	*Thanas.*												
	Digras	225					Thatching, &c. of the out-houses to the rest-house at Pathroat ...	68 1 0					
	Ner	250					Repairs to Sawargaon rest-house ...	4 0 0					
	Darwa	211					*Guards' huts* (*thanas*).						
	Temporary hut for forest guard at Umbarda	6					Repairs to Pathroat forest thana ...	10 0 0					
							Sunna ...	6 0 0					
							Yellabara ...	7 0 0					
							Kurha	2 0 0					
							Lonabehel ...	1 0 0					
							Darwa Naka ...	3 0 0					
							Kelapur „ ...	8 0 0					
							Yeotmal „ ...	6 0 0					
							Pay of office and rest-house guards ...	108 0 0					
	Total Wun Division ...	893	...	...	...	893	...	229 0 0	...	...	...	229	
Direction.							Repairs to the rest-house at Amraoti camp ...	645 0 0					
							Pay of guards ...	144 0 0					
	Total Direction Division	...	...	...	...	...	...	789 0 0	...	...	...	789	

FORESTS.

ANNUAL FORM No. 52.—*Register of breaches of Forest Rules during forest-year 1893-94.*

Forest Division.		Cases pending from 1892-93.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending close of year.	Remarks.
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing with-out permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.			
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.		
Ellichpur.																
A, timber and fuel reserves	A	...	2	...	...	...	2	2	2	7	..	...	2	7	...	
	B	...	...	23	1	5	29	29	29	31	..	...	29	31	...	
	C	...	...	1	...	...	1	1	...	...	...	...	...	...	...	
B, grass reserves (ramnas)	A	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	B	...	...	1	2	...	3	3	3	4	...	...	3	4	...	
	C	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
C, pasture reserves (classes C-I, II & III)	A	...	...	3	1	1	5	5	4	8	1	2	5	10	...	
	B	...	..	94	5	2	101	101	101	181	...	...	101	181	...	
	C	...	..	1	..	...	1	1	...	...	...	...	...	...	...	
Total 1893-94	A	...	2	3	1	1	7	7	6	15	1	2	7	17	...	
	B	...	..	118	8	7	133	133	133	236	...	...	133	236	...	
	C	...	...	2	...	...	2	2	...	...	...	...	...	...	...	
Total 1892-93 15 months	A	...	2	45	4	1	52	52	45	117	10	23	55	140	...	
	B	...	1	67	2	...	70	70	70	110	...	...	70	110	...	
	C	...	...	2	...	...	2	2	...	...	...	...	...	...	...	
Amraoti.																
A, timber and fuel reserves	A	...	...	...	1	...	1	1	1	3	...	...	1	3	...	
	B	..	2	10	...	1	13	13	13	20	...	...	13	20	...	
	C	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
B & C, grass and pasture reserves	A	6	1	22	1	2	31	43	33	58	3	3	36	61	6	
	B	..	2	98	4	6	110	110	110	163	...	...	110	163	...	
	C	...	...	4	..	..	4	4	...	...	...	...	...	...	...	
Total, 1893-94	A	6	1	32	2	2	37	45	34	61	3	3	37	64	6	
	B	...	4	108	4	7	123	123	123	185	..	..	123	185	..	
	C	...	...	4	...	..	4	4	..	...	...	...	...	...	...	
Total, 1892-93, 15 months	A	9	5	51	19	..	75	84	61	100	17	48	78	148	6	
	B	...	...	82	3	..	85	85	85	101	...	...	85	101	...	
	C	...	...	4	...	..	4	4	...	...	...	...	...	...	...	
Akola.																
A, timber and fuel reserves	A	..	...	4	1	..	5	5	4	7	1	5	5	12	..	
	B	..	3	13	..	1	17	17	17	24	...	...	17	24	...	
	C	...	4	2	...	..	6	6	...	...	...	...	...	...	...	
B & C, grass and pasture reserves	A	1	...	3	...	..	3	4	4	4	...	...	4	4	...	
	B	...	...	31	2	5	38	38	38	73	...	...	38	73	...	
	C	...	...	3	...	...	3	3	..	...	...	...	...	...	...	
Total, 1893-94	A	1	...	7	1	..	9	9	8	11	1	5	9	16	...	
	B	..	3	44	2	6	55	55	55	97	..	..	55	97	...	
	C	...	4	5	...	..	9	9	...	...	...	...	...	...	...	
Total, 1892-93, 15 months	A	1	1	9	2	1	13	14	9	26	4	31	13	57	1	
	B	...	...	91	90	1	182	182	182	729	..	...	182	729	...	
	C	...	...	6	...	..	6	6	..	...	...	...	...	...	...	
Buldana.																
A, timber and fuel reserves	A	...	4	2	2	..	8	8	6	7	2	2	8	9	...	
	B	...	...	4	...	..	4	4	4	38	...	..	4	38	...	
	C	...	1	...	...	..	1	1	...	...	...	...	...	...	...	
C, pasture reserves (C-I & C-II)	A	1	..	22	..	1	24	24	14	25	10	31	24	56	...	
	B	..	...	43	...	...	43	43	43	92	..	..	43	92	...	
	C	..	...	23	...	...	23	23	...	...	...	...	...	...	...	
Total, 1893-94	A	1	4	24	2	1	31	32	20	32	12	33	32	65	...	
	B	...	...	47	..	..	47	47	47	130	..	..	47	130	...	
	C	...	1	23	...	..	24	24	...	...	...	...	...	...	...	
Total, 1892-93, 15 months	A	6	1	58	6	1	66	72	58	78	14	30	72	108	...	
	B	..	..	27	...	..	27	27	27	35	...	..	27	35	...	
	C	...	4	16	...	...	20	20	...	...	...	...	...	...	...	
Basim.																
A, timber and fuel reserves	A	1	..	2	2	1	5	6	5	12	1	3	6	15	..	
	B	1	3	10	22	2	37	38	38	100	...	...	..	...	...	
	C	...	1	1	...	...	2	2	..	...	...	...	...	...	...	
B, C & D, grass pasture and temporary reserves.	A	...	...	2	1	1	4	4	...	...	4	15	4	15	...	
	B	..	...	62	7	3	72	72	72	81	...	...	...	...	3	
	C	..	...	14	...	..	14	14	..	..	...	..	...	...	...	
Total, 1893-94	A	1	...	4	3	2	9	10	5	12	5	18	10	30	...	
	B	1	3	72	29	5	109	110	110	281	...	...	...	...	3	
	C	...	1	15	..	..	16	16	...	...	...	...	...	...	...	
Total, 1892-93, 15 months	A	2	5	29	..	1	36	40	32	32	7	24	39	156	1	
	B	...	..	49	76	2	127	127	126	365	..	...	126	365	1	
	C	...	2	7	5	..	14	14	...	...	...	...	...	...	...	
Wun.																
A, timber and fuel reserves	A	1	3	3	..	2	8	9	5	13	1	3	6	16	3	
	B	...	..	1	18	2	21	21	21	25	...		21	25	...	
	C	...	7	...	..	..	7	7	...	...	...	...	...	...	...	
B, C & D, grass pasture and temporary pasture reserve.	A	...	...	14	...	2	16	16	12	17	3	5	15	22	1	
	B	...	...	101	50	21	172	172	172	291	...	...	172	291	...	
	C	..	...	2	1	..	3	3	...	...	...	...	...	...	...	
Total, 1893-94	A	1	3	17	..	4	24	25	17	30	4	8	21	38	4	
	B	...	...	102	77	14	193	193	193	316	..	..	193	316	...	
	C	...	7	2	1	..	10	10	...	...	...	...	...	...	...	
Total, 1892-93, 15 months	A	5	9	37	16	10	77	77	58	98	18	42	76	140	1	
	B	...	..	65	40	9	114	114	114	131	...	...	114	131	...	
	C	...	7	1	...	...	8	8	..	...	...	...	...	...	...	
Abstract.																
A, timber and fuel reserves.	1893-94 A	2	9	11	6	3	20	31	23	40	5	18	28	62	3	
	1893-94 B	1	8	61	11	11	131	132	122	258	..	...	84	186	...	
	1893-94 C	...	13	4	..	...	17	17	...	...	...	...	...	...	...	
	1892-93, 15 months. A	2	17	20	25	15	77	79	61	132	16	62	77	194	2	
	1892-93, 15 months. B	...	1	64	76	7	148	148	14	352	...	...	147	352	1	
	1892-93, 15 months. C	...	11	4	2	...	17	17	...	...	...	...	...	...	...	
B, C & D, grass pasture and temporary pasture reserve	1893-94 A	8	1	76	3	7	87	95	67	112	21	50	88	168	7	
	1893-94 B	...	2	430	79	28	539	539	539	987	..	...	467	8 6	3	
	1893-94 C	...	...	47	1	...	48	48	...	...	...	...	...	...	...	
	1892-93, 15 months. A	21	6	212	22	2	242	263	202	410	54	136	256	555	7	
	1892-93, 15 months. B	...	...	317	35	5	457	457	457	1,119	..	..	457	1,119	...	
	1892-93, 15 months. C	...	2	32	3	...	37	37	...	...	...	...	...	...	...	
Total ...	1893-94 A	10	10	87	9	10	116	126	90	161	26	69	116	230	10	
	1893-94 B	1	10	491	120	39	660	661	661	1,345	..	..	551	904	3	
	1893-94 C	...	13	51	1	...	65	65	...	...	...	...	...	...	...	
	1892-93, 15 months. A	23	23	232	47	17	319	342	263	551	70	198	333	749	9	
	1892-93, 15 months. B	...	1	391	211	13	605	606	604	1,471	...	...	604	1,479	1	
	1892-93, 15 months. C	...	13	36	5	...	54	54	...	...	...	...	...	...	...	

FORESTS.

ANNUAL FORM No. 53 (PRESCRIBED).—*Area of forest tracts protected from fire during the forest-year 1893-94.*

Division.	Forest Tracts.	Year in which protection commenced.	Area protected during 1892-93.	Area attempted to be protected	Failures.	Area actually protected.	Cost.	Remarks.
			Acres.	Acres.	Acres.	Acres.	Rs.	
	State Forest Class A.							
Ellichpur.	Old Bairagarh Reserve.	1872.	272,049	280,442	11	280,431	2,268	
	Nirguri, Gana, Silona and Biba blocks.	July 1893.	...	17,134	...	17,134	180	Area of newly reserved blocks added to the old Bairagarh Reserve.
	Old Gugumal Reserve.	1877.	115,044	108,514	63	108,451	1,396	
	Jamgarh, Khatkali & Khari blocks.	July 1893.	...	43,450	133	43,317	350	Area of newly reserved blocks added to the Gugumal reserve.
	Old Chikalda Reserve.	1890.	20,064	19,708	...	19,708	388	
	Tetu block ..	July 1893.	...	2,804	...	2,804	72	Area of newly reserved block added to the Chikalda reserve.
	New Kohana Reserve..	Do.	...	3,916	19	3,897	52	Area of new reserve of Kohana.
	Total ...	...	407,157	475,968	226	475,742	4,706	
Amraoti.	Chiroli Reserve ...	1881.	8,155	8,155	..	8,155	285	
	Mehdari Reserve ...	1889.	4,056	9,194	...	9,194	185	
	Shekdari Reserve ...	1894.	...	6,154	...	6,154	145	
	Lakhara Reserve ...	1894.	...	3,179	...	3,179	20	
	Total ...	...	12,211	26,682	...	26,682	635	
Akola.	Loni Reserve ...	1882.	908	908	...	908	...	Morna 14,985 acres not under regular protection.
	Bhongaon Reserve ..	1882.	1,389	1,389	...	1,389	...	Balapur 25,743 do.
	Ghatbori Reserve ...	1881.	20,344	20,344	...	20,344	633	Babul Tracts 2,278 do. but fire was kept out by the ordinary establishment.
	Mandwa Reserve ..	1882.	5,485	5,485	...	5,485		
	Ambabarwa Reserve ..	1893.	6,785	33,257	11,152	22,105	945	
	Total ...	...	34,911	61,383	11,152	50,231	1,578	
Buldana.	Geru Matergaon Reserve.	1880.	46,405	46,405	...	46,405	193	
	Amdari Reserve ...	1883.	13,714	13,720	518	13,202	159	
	Total ...	...	60,119	60,125	518	59,607	352	
Basim.	Penganga Reserve ...	1880.	12,152	12,027	...	12,027	237	
	Rui Reserve ...	1882.	6,657	6,860	...	6,860	142	
	Kinwat Reserve ...	1881.	94,038	102,190	385	101,805	1,144	
	Chandas Reserve ...	1889.	3,016	3,016	...	3,016	71	
	Medsi Reserve ...	1889.	1,116	1,116	...	1,116	53	Gahuli 9,508 acres not protected.
	Mohoja Reserve ...	1889.	2,111	2,111	19	2,092	80	
	Andharsangur Reserve	1889.	2,622	2,622	...	2,622	69	
	Total ...	...	121,722	129,942	404	129,538	1,796	
Wun.	Gondwakri Reserve ..	1882.	16,389	16,359	8,000	8,359	356	3,239 acres not protected.
	Khard Reserve ...	1882.	12,444	18,133	20	18,113	430	
	Pathrot Reserve ..	1882.	2,980	2,980	...	2,980	216	337 do.
	Umbarde Reserve ..	1893.	1,990	1,990	...	1,990	114	
	Anjankhed Reserve ...	1882.	7,634	7,634	...	7,634	86	
	Lonebehel Reserve ...	1882.	9,187	9,187	1,475	7,712	105	
	Dabhdi Reserve ...	1893.	7,785	7,788	...	7,788	102	
	Nidha Reserve ...	1893.	10,593	10,605	10	10,595	122	
	Kelapur Reserve ...	1881.	40,227	41,550	550	41,000	897	719 do.
	Ghordara Reserve ...	1893.	3,896	3,941	...	3,941	75	
	Tiwsala Reserve ...	1882.	4,873	4,873	420	4,453	143	
	Phiski Reserve ...	1893.	2,342	2,342	40	2,302	84	
	Bhiokund Reserve ...	1893.	3,208	3,433	2,000	1,433	75	
	Powsar Reserve ...	1893.	3,924	3,934	155	3,779	108	Pardi 1,731 do.
	Total ...	...	127,425	134,749	12,670	122,079	2,913	
	Grand Total ...	...	763,545	888,849	24,970	863,879	11,960	Total 58,540 acres A forest not under regular protection.

FORESTS.

ANNUAL FORM No. 54.—*Area closed and open to grazing during 1893-94—(Forest year).*

Division.	Area in square miles.					
	Closed to all animals.		Closed to browsers (camels, goats or sheep).		Open to all animals.	Total area.
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	
1	2	3	4	5	6	7
Ellichpur.						
A, timber and fuel reserves ...	605	...	65	...	73	743
B, grass reserves (ramnas) ...	6	...	...	...	...	6
C, pasture reserves	...	...	...	...	816	816
Total ...	611	...	65	...	889	1,565
Amraoti.						
A, timber and fuel reserves ...	20	...	...	...	22	42
B, grass reserves	21	...	...	...	...	21
C, pasture reserves	5	...	...	...	247	252
Total ...	46	...	...	...	269	315
Akola.						
A, timber and fuel reserves ...	92	...	69	...	1	162
B, grass reserves	5	...	4	...	...	9
C, pasture reserves	...	...	...	...	158	158
Total ...	97	...	73	...	159	329
Buldana.						
A, timber and fuel reserves ...	19	75	...	...	...	94
B, grass reserves	2	...	...	...	...	2
C, pasture reserves	1	...	...	...	296	297
Total ...	22	75	...	...	296	393
Basim.						
A, timber and fuel reserves ...	190	15	14	...	...	219
B, grass reserves	...	...	..	...	...	...
C and D, pasture and temporary pasture reserves.	...	...	...	...	545	545
Total ...	190	15	14	...	545	764
Wun.						
A, timber and fuel reserves ...	214	6	...	...	...	220
B, grass reserves	26	...	...	...	...	26
C, pasture reserves	...	...	...	...	545	545
Total ...	240	6	...	...	545	791
Total. A, timber and fuel reserves ...	1,140	96	148	...	96	1,480
Total. B, grass reserves ...	60	...	4	...	...	64
Total. C and D, pasture and temporary pasture reserves.	6	...	...	...	2,607	2,613
Grand Total ...	1,206	96	152	...	2,703	4,157

FORESTS.

ANNUAL FORM No. 55.—*Return of grazing in the State-forests during 1893-94 (Forest year).*

Division.	Grazing on payment. Number of animals.													Grazing free. Number of animals.													Fee of duplicate passes.	Grand total of value at full rates.
	At full rates.						At privileged rates.							By right under settlement.						During pleasure of Government or otherwise than under settlement.								
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Fees received: Actual.	Fees received: Value at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Value of free at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Value of free at full rates.	Total value of fees at full rates.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
						Rs.						Rs.	Rs.						Rs.						Rs.	Rs.	Rs.	Rs.
ELLICHPUR.																												
C. pasture reserves ...	23,751	162,567	39,252	72	765	21,182	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	21,188
AMRAOTI.																												
A. timber and fuel reserves ...	...	1,003	...	...	...	251	52	...	...	...	...	13	26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	277
C. pasture reserves ...	29,443	114,305	76,736	3	...	29,926	2,044	7,041	3,365	...	...	1,549	1,601	...	29,122	...	...	...	3,640	...	...	...	...	...	3,640	...	35,167
Total ...	29,443	115,308	76,736	3	...	30,177	2,096	7,041	3,365	...	...	1,562	1,627	...	29,122	...	...	...	3,640	...	...	...	...	...	3,640	...	35,444
AKOLA.																												
A. timber and fuel reserves ...	2,085	18,490	52	...	53	9,016	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9,016
B. and C. grass and pasture reserves.	13,473	70,801	33,805	...	290	22,424	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	22,424
Total ...	15,558	89,291	33,857	...	343	31,440	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	31,440
BULDANA.																												
A. timber and fuel reserves ...	723	7,893	...	...	...	2,340	...	...	...	...	...	...	...	600	...	...	...	...	300	...	...	...	...	...	300	..	2,640
C. pasture reserves ...	16,915	100,832	92,773	57	...	24,853	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	24,853
Total ...	17,648	108,725	92,773	57	...	27,193	...	...	...	...	...	...	...	600	...	...	...	...	300	...	...	...	...	...	300	...	27,493
BASIM.																												
A. timber and fuel reserves ...	116	3,719	...	...	...	1,010	...	...	...	...	...	...	...	26	985	...	...	...	259	...	...	...	...	...	259	...	1,269
C. pasture reserves ...	13,722	103,305	26,081	...	25	18,523	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18,523
Total ...	13,838	107,024	26,081	...	25	19,533	...	...	...	...	...	...	...	26	985	...	...	...	259	...	...	...	...	...	259	...	19,792
WUN.																												
A. timber and fuel reserves ...	4	452	...	...	...	115	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	115
C. and D. pasture and temporary pasture reserves.	45,597	224,041	82,004	43	153	44,753	...	...	...	...	...	...	...	...	61,882	...	...	...	7,735	...	...	...	...	...	7,735	...	52,488
Total ...	45,601	224,493	82,004	43	152	44,868	...	...	...	...	...	...	...	...	61,882	...	...	...	7,735	...	...	...	...	...	7,735	...	52,603
A. ...	2,988	31,557	52	...	53	12,732	52	...	...	...	...	13	26	626	985	...	...	...	559	...	...	...	...	...	559	...	13,317
B. C. and D. ...	142,901	775,851	349,651	175	1,233	161,661	2,044	7,041	3,365	...	...	1,549	1,601	...	91,004	...	...	...	11,375	...	...	...	...	...	11,375	6	174,643
Grand Total ...	145,839	807,408	349,703	175	1,286	74,393	2,096	7,041	3,365	...	...	1,562	1,627	626	91,989	...	...	...	11,934	...	...	...	...	...	11,934	6	187,960

FORESTS.

ANNUAL FORM No. 56—(PRESCRIBED).—*Area of Plantations, 1893-94*—(*Forest year.*)

Division.	Name of plantation.	Area in acres. On 1st July 1893.	Added during the year.	Excluded during the year.	Area on 30th June 1894.	Receipts of the year.	Charges.	Remarks.
	(1)—*Regular Plantations.*							
Ellichpur	Bairagarh Forest (A class).	...	...	..	...	...	...	All these areas are fully stocked.
	Abapur	20	...	...	20	...	...	Teak and bamboos.
	Bujru	25	...	...	25	...	...	Do. do.
	Dasipati	8	...	...	8	...	...	Do. do.
	Jambulwari	40	...	...	40	...	...	Teak.
	Kolkaz	1	...	...	1	...	...	Bamboos.
	Luba	259	...	...	259	...	...	Teak.
	Pili	49	...	...	49	...	...	Do.
	Pimpalkota	155	...	...	155	...	...	Teak and bamboos.
	Rakidoh	9	...	...	9	..	...	Do. do.
	Saoli	85	...	...	85	...	...	Do. do.
	Saoli and Kurita ...	2	...	...	2	...	...	Teak.
	Sembadoh	2	..	...	2	...	...	Teak and bamboos.
	Total Regular Plantations..	655	...	...	655	...	...	
	(2)—*Cultural Operations*							
Direction...	Office	...	...	...	...	...	1	Carrying seed.
Ellichpur	Bairagarh (A class) ...	330	...	...	330	...	2	Teak, tiwas, hilda, dhaora and bamboos carrying seed to Amraoti.
	Gugumal (do.) ...	751	...	..	751	...	...	Dhaora and bamboos.
	Chikalda (do.) ...	...	..	...	...	...	131	Forest garden at Chikalda, pay of plantations mali, &c.
	Rest-house Thana compounds at Raipur, Sembadoh and Kolkaz in Bairagarh (A class).	...	..	...	...	...	18	"Bar" trees (watering).
	C. State-forests of Melghat taluk, Naka at Popatkera	...	...	...	...	...	19	Watering, "bar," "nim" and mango trees.
	C. State-forests of Ellichpur taluk.	2	...	2	...	...	144	Date plantations. From 1st June 1894, the charge of this plantation has been given to Ellichpur town authorities.
	Total ...	1,083	...	2	1,081	...	314	
Amraoti.	Chirodi (A class) ...	1,046	50	103	993	...	199	Bamboos, babul, teak, tiwas, sadra, sawari.
	Mehdari (do.) ..	400	...	...	400	...	60	Teak, &c.
	B. Grass reserves ..	20	...	...	20	...	33	Babul.
	C. Pasture reserves ...	273	57	...	330	...	199	Do.
	Total ...	1,739	107	103	1,683	...	491	
Akola. ...	Loni (A class) ...	512	27	...	539	...	3	Babul seed, sowing.
	Bhongaon (do.) ..	658	49	...	707	...	6	Do.
	Ghatbori (do.) ..	106	44	...	150	...	75	Digging pits and sowing teak seed.
	C. Pasture reserves ...	55	53	...	108	..	70	
	Total ...	1,331	173	...	1,504	...	154	
Buldana.	Gerumatergaon (A class) ...	195	12	...	207	...	12	Sowing of teak seed.
	Amdari (do.) ...	103	28	...	131	...	66	Do.
	C. Pasture reserves ...	235	74	...	309	...	74	
	Total ...	533	114	...	647	...	152	
Basim ...	Penganga (A class) ..	973	515	...	1,488	...	144	Sowing bamboos.
	Kitwhat (do.) ..	920	180	...	1,100	...	24	Do.
	Medsi (do.) ...	300	...	...	300	...	...	Babul.
	C. State-forests ...	...	...	...	...	...	...	
	Miscellaneous ...	17	...	...	17	...	1	Carrying seed.
	Total ..	2,210	695	...	2,905	...	169	
Wun ...	Kelapur (A class) ...	170	...	...	170	...	149	
	Nidha (do.) ...	...	...	...	...	...	2	On nurseries.
	Tiwsala (do.) ...	...	...	...	...	...	8	
	Phiski (do.) ...	...	...	...	...	..	6	
	Lonebehel (do.) ...	...	...	...	...	...	5	
	Anjankhed (do.) ...	...	...	...	...	...	2	
	Dabhdi (do.) ...	...	...	...	...	...	1	
	Pathrout (do.) ...	...	...	...	...	...	62	
	Umbarde (do.) ...	...	...	...	...	...	1	
	Gondawakri (do.) ...	..	...	...	...	...	5	
	Kharad (do.) ...	...	...	...	...	...	4	
	C. Pasture reserves ...	...	...	...	...	...	15	Collecting seed.
	Total ...	170	...	...	170	...	260	
	Total Cultural Operations...	7,066	1,089	165	7,990	...	1,541	
	Grand Total ...	7,721	1,089	165	8,645	...	1,541	

FORESTS.

ANNUAL FORM No. 57.—*Outturn (in cubic feet, solid) of timber and fuel during the year 1893-94 and Agency of Exploitation—(Forest year).*

Division.	Timber in the rough ; logs.					Timber in the rough, poles.					Sawn or squared timber.					Miscellaneous.					Fuel.					Total.
	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Outturn.
	c.ft.	c.ft.	c.ft.	c.ft.	c.ft.	c.ft.	c.ft.	c.ft.	c.ft.	c.ft.	c.ft.	c.ft.	c.ft.	c.ft.	c.ft.	c.ft.	c.ft.	c.ft.	c.ft.	c.ft.	c.ft.	c.ft.	c.ft.	c.ft.	c.ft.
Class A.—Timber and Fuel Reserves.																									
Ellichpur	...	79,849	...	...	79,849	...	1,296	...	...	1,296	...	...	...	...	...	...	...	...	...	...	...	2,786	...	...	2,786	83,931
Amraoti	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,396	...	...	1,396	1,396
Akola	...	..	...	...	...	...	273	...	...	273	...	...	...	...	...	...	...	...	...	...	...	90,187	...	...	90,187	90,460
Buldana	...	...	..	...	...	...	4,004	...	...	4,004	...	...	...	...	...	...	...	...	...	...	...	26,297	...	...	26,297	30,301
Basim	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	769	...	...	769	...	4,800	...	...	4,800	5,569
Wun	...	...	...	...	...	...	93	...	...	93	...	...	...	...	...	...	...	..	...	...	...	6,255	...	...	6,255	6,348
Total ...	...	79,849	...	...	79,849	...	5,666	...	...	5,666	...	...	...	...	...	...	769	...	...	769	...	131,721	...	...	131,721	218,005
Class B, C-I and C-II and D.—Grass and Pasture Reserves.																									
Ellichpur	...	...	...	...	...	...	285	...	...	285	...	...	...	...	...	...	...	...	...	...	...	17,946	..	...	17,946	18,231
Amraoti	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	513	168	...	681	...	271,237	...	...	271,237	271,918
Akola	...	...	...	...	...	...	32,216	140	...	32,356	...	...	...	...	...	...	...	...	...	...	...	136,824	...	...	136,824	169,180
Buldana	...	...	...	...	...	...	50,549	...	...	50,549	...	...	...	...	...	...	...	...	...	...	...	60,258	...	...	60,258	110,807
Basim	...	...	...	...	...	...	73,070	122	...	73,192	...	...	...	...	...	...	16,458	421	...	16,879	...	48,470	...	...	48,470	138,541
Wun	...	...	...	...	...	...	10,715	560	...	11,275	...	...	...	...	...	...	...	...	...	...	...	157,346	...	...	157,346	168,621
Total ...	...	...	...	...	...	...	166,835	822	...	167,657	...	...	...	...	...	...	16,971	589	...	17,560	...	692,081	...	...	692,081	877,298
Class III.—Temporary Pasture Reserves.																									
Ellichpur	...	...	...	...	...	...	373,489	...	...	373,489	...	...	...	...	...	...	...	...	...	...	...	371,970	...	...	371,970	745,459
Total ...	...	...	...	...	...	...	373,489	...	...	373,489	...	...	...	...	...	...	...	...	...	...	...	371,970	...	...	371,970	745,459
Grand Total ...	...	79,849	...	...	79,849	...	545,990	822	...	546,812	...	...	...	...	...	...	17,740	589	...	18,329	...	1,195,772	...	...	1,195,772	1,840,762

FORESTS.

ANNUAL FORM No. 58—(PRESCRIBED).—*Outturn of Minor Forest Produce during the year 1893-94.*

Division.	Description of produce.	Produce removed or utilized.										Remarks.
		By Government agency.		By purchasers.		By free grants.		By right holders.		Total.		
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
	A. TIMBER AND FUEL RESERVES.		Rs.		Rs.		Rs.				Rs.	
Ellichpur.	Bamboos Nos.	...	...	1,805,685	27,085	...	...	...	...	1,805,685	27,085	
	Grass ... Tons.	...	...	204	112	...	...	...	...	204	112	
	Lac ... „	...	...	4	69	...	...	...	...	4	69	
	Roots and fruits „	...	...	6	22	...	...	...	...	6	22	
	Hilda ... „	...	...	536	21,799	...	...	...	...	536	21,799	Collected and sold.
	Miscellaneous „	...	...	1	36	...	...	...	...	1	36	
					49,123						49,123	
Amraoti	Grass ... Tons.	...	...	2,026	3,010	...	...	...	...	2,026	3,010	
	Grass auction sales „	...	...	...	2,625	...	...	...	...	...	2,625	
	Roots and fruits „	...	...	11	58	...	...	...	...	11	58	
	Leaves ... „	...	...	1	3	...	...	...	...	1	3	
					5,696						5,696	
Akola ...	Grass ... Tons.	...	...	973	1,101	8	19	...	...	981	1,120	
	Gum ... „	...	...	19	52	...	...	...	...	19	52	
	Roots and fruits „	...	...	8	59	...	...	...	...	8	59	
	Bamboos Nos.	...	...	13,000	195	...	...	...	...	13,000	195	
	Leaves ... Tons.	...	...	...	1	...	...	...	...	...	1	
	Miscellaneous „	...	...	3	24	...	...	...	...	3	24	
					1,432		19				1,451	
Buldana	Grass ... Tons.	...	...	1,369	1,705	...	...	...	...	1,369	1,705	
	Miscellaneous „	...	...	5	26	...	...	...	...	5	26	
					1,731						1,731	
Basim ...	Bamboos Nos.	...	...	1,587	32	...	...	...	...	1,587	32	
	Grass ... Tons.	...	...	1,423	1,425	...	...	...	...	1,423	1,425	
	Miscellaneous „	...	...	10	85	...	...	...	...	10	85	
	Roots and fruits „	...	...	3	22	...	...	...	...	3	22	
	Minerals ... „	...	...	37	12	...	...	...	...	37	12	
	Lac ... „	...	...	6	72	...	...	...	...	6	72	
					1,648						1,648	
Wun ...	Bamboos ... Nos.	...	...	57,286	982	...	...	...	...	57,286	982	
	Grass ... Tons.	...	...	4,293	3,086	44	44	...	...	4,337	3,130	
	Miscellaneous „	...	...	19	81	...	...	...	...	19	81	
	Do. by auctions „	...	...	...	11	...	...	...	...	...	11	
	Lac ... „	...	...	...	73	...	...	...	...	...	73	
					4,233		44				4,277	
	B AND C-i, ii. GRASS AND PASTURE RESERVES.											
Ellichpur.	Grass ... Tons.	...	...	610	305	...	...	...	...	610	305	
	Grass sale by auction „	...	...	...	1,222	...	...	...	...	...	1,222	
	Roots and fruits by auction ... „	...	...	...	454	...	...	...	...	...	454	
	Leaves ... „	...	...	55	148	...	...	...	...	55	148	
					2,129						2,129	
Amraoti	Grass ... Tons.	...	...	191	187	...	...	...	...	191	187	
	Grass auction sale „	...	...	...	20,296	...	...	...	...	...	20,296	
	Gum ... „	...	...	...	47	...	...	...	...	...	47	
	Roots and fruits „	...	...	7	3,536	...	...	...	...	7	3,536	
	Leaves ... „	...	...	405	1,346	...	...	...	...	405	1,346	
	Minerals ... „	...	...	...	333	...	...	...	...	...	333	
	Miscellaneous „	...	...	1,361	1,819	...	...	...	...	1,361	1,819	
					27,564						27,564	

FORESTS.

ANNUAL FORM No. 58—(PRESCRIBED).—*Outturn of Minor Forest Produce during the year* 1893-94.—concluded.

Division.	Description of produce.	Produce removed or utilized.										Remarks.
		By Government agency.		By purchasers.		By free grants.		By right holders		Total.		
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
			Rs.		Rs.		Rs.				Rs.	
Akola ...	Grass ... Tons.	...	...	975	2,124	...	...	...	...	975	2,194	
	Grass auction sale ... "	...	...	...	41	...	...	...	...	...	41	
	Leaves .. "	...	..	87	239	..	...	...	...	87	239	
	Roots and fruits "	...	...	75	517	...	...	...	..	75	517	
	Gum ... "	...	...	43	119	...	...	...	...	43	119	
					3,130						3,130	
Buldana	Grass ... Tons.	...	...	569	760	...	...	...	...	569	760	
	Fruits ... "	..	...	340	1,820	...	...	...	...	340	1,820	
	Leaves ... "	...	...	24	127	...	...	...	..	24	127	
	Minerals ... "	...	...	4	12	...	...	...	...	4	12	
					2,719						2,719	
Basim ...	Bamboos ... Nos.	...	...	5,700	114	...	...	...	...	5,700	114	
	Grass ... Tons.	...	...	844	845	...	...	...	...	844	845	
	Miscellaneous "	...	...	120	326	...	...	...	...	120	326	
	Roots and fruits "	...	...	121	974	...	...	...	...	121	974	
	Gum ... "	...	...	14	116	...	...	...	...	14	116	
	Minerals ... "	...	...	652	238	...	...	..	...	652	238	
					2,613						2,613	
Wun ...	Bamboos ... Nos.	...	...	26,610	531	200	4	...	...	26,810	535	
	Grass ... Tons.	...	...	1,362	1,413	...	...	...	...	1,362	1,413	
	Miscellaneous "	...	...	502	982	...	...	...	...	502	982	
	Minerals ... "	...	...	1,459	91	...	...	..	...	1,459	91	
	Roots and fruits auction sale... "	...	...	...	3,124	...	...	...	...	...	3,124	
					6,141		4				6,145	
	C-iii. PASTURE RESERVES.											
Ellichpur.	Bamboos ... Nos.	...	...	2,53,606	5,072	...	...	...	...	2,53,606	5,072	
	Grass ... Tons.	...	...	5,557	3,351	...	...	...	...	5,577	3,351	
	Tikhadi by auction sale. "	...	...	...	900	...	...	.	...	...	900	
		..	...	5	26	...	...	...	...	5	26	
	Minerals ... "	...	...	24	67	...	...	.	..	24	67	
	Gum ... "	...	...	2	18	...	...	...	...	2	18	
	Lac ... "	...	...	19	303	...	...	.	.	19	303	
	Leaves ... "	...	...	290	780	...	...	..	...	290	780	
	Roots and fruits "	...	...	527	1,655	...	...	.	...	527	1,655	
	Hilda ... "	...	...	10	85	...	...	...	...	10	85	
	Miscellaneous "	...	...	13	139	...	...	.	...	13	139	
					12,396						12,396	
	ABSTRACT.											
	Bamboos ...	...	...	2,163,474	34,011	200	4	...	...	21,63,674	34,015	
	Grass	...	...	...	43,678	...	63	...	...	...	43,741	
	Roots and fruits ...	...	..	...	12,241	...	...	.	...	...	12,241	
	Lac	..	..	...	517	...	...	...	..	...	517	
	Leaves	...	...	...	2,644	...	...	...	...	...	2,644	
	Minerals ...	...	...	...	753	...	...	...	...	...	753	
	Gum	...	...	...	352	...	...	..	...	...	352	
	Miscellaneous ...	...	...	...	4,455	...	...	...	...	...	4,455	
	Hilda	...	...	...	21,884	...	...	...	..	...	21,884	
					1,20,535		67				1,20,602	

FORESTS.

ANNUAL FORM No. 60.—(PRESCRIBED)—*Abstract showing the value of stock for the forest year 1893-94.*

Description of timber and other produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.		Remarks.
	No.	C. ft.	Value.	No.	C. ft.	Value.	In favor of the year.	Against the year.	
DIRECTION.			Rs.			Rs.	Rs.	Rs.	
Surveying and other instruments	19	...	436	46	...	876	..	...	
Tools	30	...	18	27	...	12	...	...	
Office and rest-house furniture	172	...	1,375	161	...	1,270	...	...	
Rest-house	1	...	2,000	1	...	2,000	...	..	
Miscellaneous	59	.	113	56	...	100	...	...	
Elephant	1	...	2,100	2	...	4,464	...	...	
Tents	6	...	1,922	5	...	1,722	...	...	
	288	...	7,964	298	...	10,444	2,480	...	
ELLICHPUR.									
Surveying and other instruments	22	...	131	96	...	254	...	...	
Tools	1,261	...	1,330	1,303	...	1,173	...	...	
Office and rest-house furniture	508	...	2,674	535	...	2,763	...	...	
Tents	11	...	1,712	15	...	1,667	...	...	
Officers' quarters	2	...	7,840	2	...	7,683	...	...	
Rest-houses	11	...	12,620	13	...	16,368	...	...	
Miscellaneous	250	...	496	256	..	541	...	...	
Elephant	1	...	341	1	...	332	...	...	
Bullock	1	...	33	1	..	31	...	...	
	2,067	...	27,177	2,182	...	30,652	3,475	...	
AMRAOTI.									
Surveying and other instruments	8	...	31	37	...	146	...	...	
Tools	125	...	59	125	...	59	...	...	
Office furniture	88	..	382	111	...	542	..	...	
Tents	4	...	215	3	...	200	...	...	
Rest-house	1	...	1,000	1	...	1,000	...	...	
Rest-house furniture	..	...	...	81	...	208	...	...	
Miscellaneous	58	...	98	68	...	113	...	...	
	284	...	1,785	426	...	2,268	483	...	
AKOLA.									
Surveying and other instruments	5	...	89	5	...	80	...	...	
Tools	160	...	181	161	...	201	...	...	
Office furniture	94	...	571	126	...	739	...	...	
Tents	4	...	864	4	...	778	...	...	
Rest-house	1	...	783	2	...	2,403	...	...	
Miscellaneous	83	...	76	74	...	69	...	...	
	347	...	2,564	372	...	4,270	1,706	...	
BULDANA.									
Surveying and other instruments	10	...	26	11	...	23	...	...	
Tools	160	...	261	207	...	276	...	...	
Office furniture	82	...	512	86	...	554	...	...	
Tents	5	...	500	4	...	450	...	...	
Buildings	1	...	810	2	...	1,629	...	...	
Miscellaneous	87	...	89	86	...	80	...	...	
	345	...	2,198	396	...	3,012	814	...	
BASIM.									
Surveying and other instruments	11	...	52	23	...	92	...	...	
Tools	223	...	98	202	...	90	...	...	
Office furniture	80	...	267	76	...	293	...	...	
Tents	3	...	280	5	..	647	...	...	
Miscellaneous	93	...	165	93	...	149	...	...	
Elephant	1	...	929	1	...	883	...	...	
Buffalo	1	...	14	4	...	13	...	...	
	412	...	1,818	401	...	2,167	349	...	
WUN.									
Surveying and other instruments	24	...	225	24	..	210	...	...	
Tools	86	...	200	86	...	190	...	...	
Office furniture	124	...	1,262	159	...	1,411	...	...	
Tents	3	...	295	5	...	445	...	...	
Buildings	17	...	4,290	17	...	4,880	...	...	
Miscellaneous	104	...	170	133	...	235	...	...	
	358	...	6,442	424	...	7,371	929	...	
	4,101	...	49,948	4,499	...	60,184	10,236	...	

FORESTS.

ANNUAL FORM No. 61.—*Summary of Revenue and Expenditure of the different Divisions during the Forest year 1893-94.*

Budget Heads.	Direction Office.	Divisions.						Total.
		Ellichpur.	Amraoti.	Akola.	Buldana.	Basim.	Wun.	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
REVENUE.								
I.—Timber and other produce removed from the forests by Government agency—								
a. Timber	...	...	...	...	...	...	...	...
b. Firewood and charcoal ...	...	...	...	...	...	...	...	...
c. Bamboos	...	...	...	...	...	...	...	...
d. Sandalwood	...	...	...	...	...	...	...	...
e. Grass and other minor produce	...	...	...	...	...	...	...	...
Total I ...	...	...	...	...	...	...	...	...
II.—Timber and other produce removed from the forests by consumers or purchasers—								
a. Timber	...	1,02,878	44	3,865	7,643	10,301	1,887	1,26,618
b. Firewood and charcoal ...	...	12,129	15,436	11,511	3,097	1,869	5,028	49,070
c. Bamboos	...	32,157	...	195	...	146	1,513	34,011
d. Grazing and fodder grass ...	...	26,178	57,858	34,776	29,659	21,803	49,366	2,19,640
e. Other minor produce ...	...	26,502	7,142	1,012	1,985	1,845	4,363	42,849
Total II ...	...	1,99,844	80,480	51,359	42,384	35,964	62,157	4,72,188
III.—Drift and waif wood and confiscated forest produce.	...	107	102	25	82	33	25	374
Total III ...	...	107	102	25	82	33	25	374
IV.—Revenue from forests not managed by Government—								
a. Duty on foreign timber and other forest produce ...	...	...	...	...	...	...	...	...
b. Revenue from shared and private forests ...	...	...	...	...	...	...	...	...
Total IV ...	...	...	...	...	...	...	...	...
V.—Miscellaneous—								
a. Fines and forfeitures ...	...	...	...	...	...	...	...	...
b. Refunds	26	317	357	4	1	512	8	1,225
c. Other sources ...	408	844	462	1,502	447	1,148	877	5,688
Total V ...	434	1,161	819	1,506	448	1,660	885	6,913
Grand Total Revenue ...	434	2,01,112	81,401	52,890	42,914	37,657	63,067	4,79,475

FORESTS.

ANNUAL FORM No. 61—*Summary of Revenue and Expenditure of the different Divisions during the Forest year 1893-94*—continued.

Budget Heads.	Direction Office.	Divisions.						
		Ellichpur.	Amraoti.	Akola.	Buldana.	Basim.	Wun.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
EXPENDITURE.								
A.—CONSERVANCY AND WORKS.								
I.—Timber and other produce removed from the forests by Government Agency—								
a. Timber	...	...	...	...	...	...	...	...
b. Firewood and charcoal..	...	...	...	...	...	...	...	...
c. Bamboos	...	...	...	...	...	...	...	...
d. Sandalwood ...	...	...	...	...	...	...	...	...
e. Grass and other minor produce	...	...	...	..	...	...	...	...
Total A-I ...	...	...	...	...	...	...	...	...
II.—Timber and other produce removed from the forests by consumers or purchasers ...	...	14,559	3,336	5,759	6,442	3,330	8,690	42,116
Total A-II ...	...	14,559	3,336	5,759	6,442	3,330	8,690	42,116
III.—Drift and waif wood and confiscated forest produce	...	...	...	...	...	...	...	...
Total A-III ...	...	...	...	...	...	...	...	...
IV.—Revenue from forests not managed by Government—								
a. Duty on foreign timber and other forest produce	...	...	...	...	...	...	...	...
b. Revenue from shared and private forests ...	...	...	...	...	...	...	...	...
Total A-IV ...	...	...	...	...	...	...	...	...
V.—Rent of leased forests and payments to shareholders in forests managed by Government...	...	20,244	...	...	...	...	...	20,244
Total A-V ...	...	20,244	...	...	...	...	...	20,244
VI.—Live stock, stores, tools and plant—								
a. Purchase of cattle ...	2,464	...	...	...	...	...	...	2,464
b. Feed and keep of cattle.	1,013	838	...	...	...	586	...	2,437
c. Purchase of stores, tools and plant ...	352	1,188	492	262	149	197	478	3,118
Total A-VI ...	3,829	2,026	492	262	149	783	478	8,019
VII.—Communications and Buildings—								
a. Roads and bridges ...	...	19,577	687	337	1,529	95	...	22,225
b. Buildings ...	789	6,646	823	2,074	1,008	840	1,122	13,302
c. Other works ...	55	1,418	43	18	365	231	51	2,181
Total A-VII ...	844	27,641	1,553	2,429	2,902	1,166	1,173	37,708

FORESTS.

ANNUAL FORM No. 61.—*Summary of Revenue and Expenditure of the different Divisions during the Forest year 1893-94*—(concluded.)

Budget Heads.	Direction Office.	Divisions.						
		Ellichpur.	Amraoti.	Akola.	Buldana.	Basim.	Wun.	Total.
EXPENDITURE—*contd.*	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
A.—CONSERVANCY AND WORKS—*contd.*								
VIII.—Organization, Improvement, and Extension of forests—								
a. Demarcation ...	...	2,770	915	298	111	353	173	4,620
b. Cost of settlements, &c	...	80	2,813	40	...	...	3,750	6,683
c. Surveys	629	...	...	74	1	...	438	1,142
d. Working plans ...	...	...	10	...	...	10	40	60
e. Sowing and planting...	1	314	491	154	152	169	260	1,541
f. Protection from fire ...	...	4,706	635	1,578	352	1,796	2,913	11,980
g. Other works ...	...	2,112	...	...	...	...	...	2,112
Total A-VIII ...	630	9,982	4,864	2,144	616	2,328	7,574	28,138
IX.—Miscellaneous—								
a. Refunds	...	153	4	14	11	139	...	321
b. Law charges ...	...	...	...	...	...	7	...	7
c. Other charges ...	18	125	25	14	12	50	53	297
Total A-IX ...	18	278	29	28	23	196	53	625
Total A, Conservancy and Works ...	5,321	7,41,730	10,274	10,122	10,132	7,803	17,968	1,36,850
B.—ESTABLISHMENT.								
I.—Salaries—								
a. Conservators ...	18,963	...	...	...	...	...	...	18,963
b. Superior officers ..	...	15,001	2,400	3,787	1,400	3,591	4,200	30,379
c. Subordinate forest and depôt establishment ...	(*a*) 642	16,686	2,218	3,700	2,570	4,298	7,275	37,389
d. Office establishments ...	3,607	2,616	1,664	1,672	1,488	1,309	1,536	13,892
e. Deputation and special allowances ...	...	...	..	141	67	100	...	308
Total B-I ...	23,212	34,303	6,282	9,300	5,525	9,298	13,011	1,00,931
II.—Travelling Allowances—								
a. Conservators ...	1,193	...	...	...	...	...	...	1,193
b. Superior officers ...	163	3,726	752	517	57	778	964	7,407
c. Subordinate forest and depôt establishments ...	93	1,952	527	710	646	784	840	5,552
d. Office establishments....	128	229	112	144	158	138	91	1,000
Total B-II ...	1,577	5,907	1,391	1,371	1,311	1,700	1,895	15,152
III.—Contingencies—								
a. Stationery ...	(*b*) 127	(*b*) 179	(*b*) 103	(*b*) 112	(*b*) 76	(*b*) 107	(*b*) 137	841
b. Carriage of tents and records	1,161	1,303	576	548	644	610	663	5,505
c. Rents, rates and taxes ...	...	700	69	...	...	1	240	1,010
d. Pay of police guards ...	...	...	...	...	...	...	...	...
e. Official postage ...	551	407	71	178	117	104	57	1,485
f. Sundries ...	(*c*) 663	(*d*) 563	301	175	271	182	389	2,544
Total B-III ...	2,502	3,152	1,120	1,013	1,108	1,004	1,486	11,385
Total B, Establishment ...	27,291	43,362	8,793	11,684	7,944	12,002	16,392	1,27,468
Grand Total of Expenditure.	32,612	1,18,092	19,067	22,306	18,076	19,805	34,360	2,64,318
Surplus or Deficit ...	−32,178	+83,020	+62,334	+30,584	+24,838	+17,852	+28,707	+2,15,157

(*a*) Includes Rs. 66 and Rs. 86, paid to Mr. H. Craiddock on account of subsistence, uniform, book and stationery allowance by the Director, Forest School, Dehra Dun, and debited in the Comptroller, India Treasuries Account Current for February and March 1894, preliminary respectively.

(*b*) Includes (Direction Division Rs. 84, Akola Rs. 63, Amraoti Rs. 59, Basim Rs 76, Buldana Rs. 55, Ellichpur Rs. 89 and Wun Rs. 75,) cost of stationery supplied by the Superintendent of Stationery, Bombay, and debited to Hyderabad Assigned Districts in Bombay, Civil Account for March 1894, final.

(*c*) Includes Re. 1, being cost of a copy of Report on Land Records and Agriculture supplied by the Government of Assam, to the Conservator of Forests, Berar, during 1893-94, debited in the Account Current of the Comptroller, Assam for March 1894, final.

(*d*) Includes Rs. 12, being value of medicines supplied to the Deputy Conservator of Forests, Ellichpur, by Government Medical Stores, Bombay, and debited in the Bombay Military Account Current for February 1894 (adjusted in March final).

COMPTROLLER'S OFFICE, BOLARUM,
The 1st September 1894.

H. KEENE,
Comptroller, Hyderabad.

FORESTS.

Dr.

ANNUAL FORM No. 62.—*Account current of the Forest Department, Hyderabad Assigned Districts, for the forest-year 1893-94.*

Cr.

	Rs. a. p.	Rs. a. p.		Rs. a. p.	Rs. a. p.
To *Cash Balance*		207 15 8	By II.—*Forest (expenditure as per annual summary, Form No. 61).*		2,64,318 13 5
„ *IX.—Forests (Revenue as per annual summary, Form No. 61).*	4,79,474 12 5		„ *Forest Cash Remittances, Local—*		
„ *Service Funds*	...		Remittances to treasuries	4,78,766 7 0	
Forest Cash Remittances, Local—			Inter-divisional transfers	125 15 11	
Forest cheques drawn	2,72,835 5 5		Cancelled cheques	195 0 0	
Inter-divisional transfers	125 15 11	7,52,436 1 9			4,79,087 6 11
„ *Advances recoverable*	1,74,051 7 6		„ *Advances recoverable*	1,76,133 8 6	
„ *Suspense (cash recoveries)*	332 11 2		„ *Suspense (cash recoveries)*	332 11 2	
„ *Account current (other Governments)* ...	5,637 14 6		„ *Account current (other Governments)* ...	8,166 13 1	
„ *Inter-departmental transfers*	168 9 1	1,80,190 10 3	„ *Inter-departmental transfers*	9,773 10 10	1,89,406 11 7
			„ *Cash Balance*	...	22 11 9
	Total ...	9,32,834 11 8		Total ...	9,32,834 11 8

BOLARUM,
1st September 1894.

H. KEENE,
Comptroller, Hyderabad.

FORESTS.

ANNUAL FORM No. 63.—(PRESCRIBED).—*Revenue received and outstandings on account of revenue during 1893-94. (Forest year).*

Division.	Particulars.	Outstandings at commencement of year.	Value of sales and other revenue during year.	Total.	Amount realised during year.	Balance due to the department at end of year.
		Rs.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs.
Direction ..	Miscellaneous other sources.	...	433 8 3	433 8 3	433 8 3	...
Ellichpur ...	Timber and other produce.	...	2,01,112 0 3	2,01,112 0 3	2,01,112 0 3	...
Amraoti ...	Do.	600	81,268 12 7	81,868 12 7	81,400 12 7	468
Akola ...	Do.	...	52,890 7 6	52,890 7 6	52,890 7 6	...
Buldana ...	Do.	...	42,913 9 0	42,913 9 0	42,913 9 0	...
Basim ...	Do.	...	37,657 2 0	37,657 2 0	37,657 2 0	...
Wun ...	Do.	...	63,067 4 10	63,067 4 10	63,067 4 10	...
	Total ..	600	4,79,342 12 5	4,79,942 12 5	4,79,474 12 5	468

ANNUAL FORM No. 64.—*Outstandings and Liabilities on account of contractors and disbursers for the Forest year 1893-94.*

Division.	Department Debtor.			Department Creditor.			Balance due		Remarks.
	At commencement of year.	Recoveries in cash and value of supplies and work done during year.	At close of year.	At commencement of year.	Payments made during year.	At close of year.	To Department (outstandings).	By Department (liabilities).	
1	2	3	4	5	6	7	8	9	10
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.		
Akola division...	...	5,945 12 7	15,945 12 7	1,436 2 5	16,278 8 11	17,714 11 4	1,768 14 9	...	
Amraoti „ ...	...	2,987 9 2	12,987 9 2	1,428 2 5	14,067 9 9	15,495 12 2	2,508 3 0	...	
Basim „ ...	...	3,731 7 0	13,731 7 0	822 12 7	14,674 11 0	15,497 7 7	1,766 0 7	..	
Buldana „ ...	...	3,784 3 3	13,784 3 3	627 1 0	14,030 6 10	14,657 7 10	873 4 7	...	
Direction „ ...	...	5,557 3 3	5,557 3 3	244 14 4	6,172 9 8	6,417 8 0	860 4 9	...	
Ellichpur „ ...	...	99,710 9 0	99,710 9 0	2,761 14 6	99,166 14 2	1,01,928 12 8	2,318 3 8	...	
Wun „ ...	...	1,783 11 3	11,783 11 3	1,009 4 1	11,592 12 2	12,602 0 3	818 5 0	...	
Total ...	...	1,73,500 7 6	*1,73,500 7 6	8,330 3 4	*1,75,993 8 6	1,84,313 11 10	10,813 4 4	...	

* Difference between the figures of this statement and those of Form 62 against advances recoverable (receipts and payments) is due to objection book and building advances being included in the latter.

BOLARUM,
The 1st September 1894.

H. KEENE,
Comptroller, Hyderabad.

ANNUAL FORM No. 65.—(PRESCRIBED).—*Financial results of the year 1893-94. (Forest year).*

Division.	Timber and other produce removed from the forests by Government agency.		Other revenue.		Formation, protection and improvement of forests.	Total.	
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Direction	...	...	434	16,780	15,832	434	32,612
Ellichpur	...	...	2,01,112	64,940	53,152	2,01,112	1,18,092
Amraoti	...	...	81,401	8,013	11,054	81,401	19,067
Akola	...	...	52,890	11,503	10,803	52,890	22,306
Buldana	...	...	42,914	10,324	7,752	42,914	18,076
Basim	...	...	37,657	9,716	10,089	37,657	19,805
Wun	...	...	63,067	15,143	19,217	63,067	34,360
Total ...	...	...	4,79,475	1,36,419	1,27,899	4,79,475	2,64,318

FORESTS.

APPENDIX A.—*Statement of expenditure incurred in the Public Works Department on roads and tanks in the Melghat Taluk, Ellichpur Division, during the years 1874-75 to 1893-94 inclusive.*

	Total expenditure from 1874-75 to 1892-93.	Expenditure in 1893-94.	Total expenditure.
	Rs.	Rs.	Rs.
I.—ROADS.			
1. Ellichpur-Pili	3,38,484	...	3,38,484
2. Gatang-Chikalda	21,425	...	21,425
3. Gugumal	4,59,969	194	4,60,163
4. Pili-Kalamkhar	3,500	...	3,500
Total ...	8,23,378	194	8,23,572
II.—ANICUTS.			
1. Buradghat in Kohana Forest Range ...	2,265	...	2,265
2. Silona in Sembadoh do ...	1,905	...	1,905
3. Bori in Chikalda do ...	1,293	...	1,293
4. Mota do do ...	1,025	...	1,025
5. Pastalai do do ...	914	...	914
6. Chichkhera in Gugamal Forest Range ...	1,547	...	1,547
7. Dhargarh do do ...	1,717	...	1,717
8. Mondra do do ...	3,018	...	3,018
9. Patulda do do ...	3,784	...	3,784
10. Tekra do do ...	3,519	...	3,519
11. Totora or Tatuna do do ...	1,334	...	1,334
12. Sakri do do ...	3,984	...	3,984
13. Ahar in Revenue Forest Range ...	573	...	573
14. Ambari do do ...	782	...	782
15. Baramtana do do ...	1,527	...	1,527
16. Pipalkuta do do ...	909	...	909
17. Sonapur do do ...	1,264	...	1,264
18. Telghat do do ...	1,522	...	1,522
Total ...	32,882	...	32,882
III.—TANKS.			
1. At Dhamangaon in Revenue Forest Range ...	13,488	...	13,488
2. At Gatang in Sembadoh do ...	13,848	...	13,848
3. Mulherans or Bir in Chikalda do ...	27,980	...	27,980
4. Mardi in Amraoti Hills do ...	37,216	...	37,216
Total ..	92,532	...	92,532

NOTE.—The Paluta anicut returned last year appears to have been originally entered by mistake, as no such anicut can now be found.

Extract from the Proceedings of the Resident at Hyderabad, No. 4108, dated Hyderabad Residency, the 1st December 1894.

READ—

The Report on the Forest Administration of the Hyderabad Assigned Districts during the year 1893-94.

ORDER.

The Conservator's Annual Report for 1893-94 on the Administration of the Forests in the Hyderabad Assigned Districts, which is due at the Residency on the 1st October, was duly received on September 4.

2. *Extension and constitution of State-forests.*—The total area of State-forests in the province stood on June 30, 1894, at 4,157 square miles against 4,233 square miles on July 1, 1893. The area added in the course of the year was 980 square miles, while 1,056 square miles were excluded. The area of State-forests, Class A, was increased in the year by 158 square miles, and that of State-forests, Class C, by 766 square miles. From State-forests, Class D, an aggregate area of 1,001 square miles was removed: the greater portion of these lands passed in State-forests, Classes A and C, in the Ellichpur district, in which no lands in Class D remained when the year closed. The area of these lands (Class D) which the year's classification set free for cultivation was 36 square miles; when the year closed the area remaining under this class was 240 square miles only, and was confined to the Mangrul and Pusad taluks in the Basim district, regarding the first of which orders have already issued. As regards classification the year 1893-94 was thus one of considerable activity, and the out-turn of work done is satisfactory. Outside transfers from one class of State-forests to another Government lands to the extent of nine square miles were newly constituted State-forests, while a recalculation of areas resulted in a net nominal decrease in the forest area of the province of ten square miles. The final areas on June 30, 1894, were as follows:—

	Square miles.
State Forests, Class A	1,480
„ „ B	64
„ „ C	2,364
„ „ D	249
Total ...	4,157

Class C again is sub-divided into three classes, the last of which (Class III) was constituted in the course of the year to meet the special requirements of the Melghat. The area of this class, which on June 30, 1893, was 1,598 square miles on June 30, 1894, was as follows:—

	Square miles.
State Forests, Class C, Division I	1,052
„ „ „ II	554
„ „ „ III	758
Total ...	2,364

3. *Demarcation.*—The Conservator deals with this subject in Chapter I, Part III of his report, and the Officiating Commissioner in paragraph 4 of the review. The boundaries of A and B lands are reported to be in good and those of C to be in fair order, while the latter will in future receive regular attention. There is no reason for thinking that the existing delimitation is inadequate. The expenditure of the year on demarcation amounted to Rs. 4,620.

4. *Working plans.*—The working plans completed during the year covered but a small area (25 square miles), but plans are in hand to a large extent, and good progress is reported in "A" timber reserves, while the Conservator anticipates being able to place a special officer in charge of this work in 1894-95. In lands in Class C in Amraoti and Ellichpur good progress is also reported.

5. *Working of the year*—Expenditure on new buildings, roads and wells to the amount of Rs. 37,708 was incurred, principally in Ellichpur.

The general protection of all classes of the forests is reported to have been good, while compounded cases under section 53 of the Forest Law have been carefully watched Such cases rose in number from 605 in 1892-93 to 660: cases brought before the Courts fell from 319 to 116. In fire cases 10 convictions resulted, but as many as 13 were undetected. The instructions that such cases shall be tried by Magistrates of experience will no doubt prove useful. The number of incendiary fires rose from 3 to 8; with one exception they were confined to the Wun and Akola districts. The remarks on this subject contained in paragraph 10 of the Commissioner's review have been noticed; the matter requires close attention. If incendiary fires continue to such an extent as to indicate that the forest administration is unduly harsh or that there has been mismanagement or misplaced lenience which has encouraged mischievous persons to damage the forests with the idea that they can do so with impunity, strict investigation should be made, and the matter referred for the orders of the Local Government. The success of fire conservancy on the whole is really very creditable.

Regarding the opening and the closing of the forests to grazing, the Conservator reports 1,206 square miles as closed and 2,703 as open without restriction, the residue of the forest lands being open with restrictions. In the open area grazing is permitted free of charge in 551 miles only (C-II); in 2,059 square miles the grazing is regulated and paid for. The Conservator reports that the closed areas will increase considerably in 1894-95: the effects of such closure should have the careful attention of the Commissioner and the district officers. The working of the newly sanctioned rates for grazing should have similar attention.

6. *Forest growth.*—The growth, specially of teak, is reported to have improved in Class A Forests, wonderfully so in the Melghat. The Class B Forests are said to be generally in good order. In Class C lands, the Conservator reports the growth to be not satisfactory, and intimates his opinion that the present rules and concessions in these forests, if fully worked, must result in complete denudation. The Commissioner will be asked to obtain a detailed report in justification of this opinion, and the Resident will then take such steps as may be required.

7. *Financial results.*—From a financial point of view the results of the year when compared with those of the year that preceded it were good, but on a five years' comparison, owing to largely increased expenditure, the financial results are still indifferent. The forest revenues are said to have suffered a real fall owing to the transfer to the proper head of certain receipts from lands which are not State-forests, and from the abolition of the irregularly levied grazing tax in Wun. Notwithstanding the removal of this latter item from grazing receipts the total grazing receipts of the year (Rs. 1,75,961) were in excess of those of the year preceding by as much as Rs. 20,936. The receipts from minor produce also showed a substantial improvement. The exertions of the officers whose good work tended to this result have been separately recognized. The receipts from bamboos fell off considerably. The Conservator regards the figures on the receipt side as in every way hopeful for the future.

On the expenditure side the figure reached is Rs. 2,64,318. Of this Rs. 14,625 was temporary only: if this be eliminated, the charges of the year under report and that before it are much the same. In both years the total charges were considerably in excess of those of the three antecedent years: the charges for the year under report are nearly a lakh of rupees in excess of those for 1891-92. Expenditure generally in the past two years has been incurred on a considerably larger scale.

Under communications and buildings the departmental expenditure in recent years has been as follows:—

		Rs.
1890-91	...	14,744
1891-92	...	19,049
1892-93	...	44,695
1893-94	...	37,708
Total	...	1,16,196

The greater part of this special expenditure has been incurred in the Ellichpur Division. The total receipts in that division in the years referred to have been as follows:—

		Rs.
1890-91	...	1,99,874
1891-92	...	1,97,260
1892-93 (fifteen months)	...	2,33,638
1893-94	...	2,01,112

Therefore it is clear that the expenditure on roads and buildings has decreased and the receipts of the year are the highest on record.

It is impossible and improper in an annual report to discuss the general financial policy, but every scheme for the improvement of the forest involving increased expenditure ought to be dealt with on its merits, and carefully scrutinized with reference to the demand before being passed.

8. *Notice of Officers.*—The Officiating Resident thanks Mr. Bagshawe for his careful administration during the year of report, and he concurs in his commendation of the working of Messrs. Calthrop, Mansukh Rai, Srinavasalu, Martin, and Misri Persad, Forest Ranger. The special assistance given by Tahsildar Narayen Singh Babhut Singh is also to be commended.

(By order.)

A. L. P. TUCKER,

Secretary for Berar.